

THE COMMONWEALTH OF MASSACHUSETTS

15 Ashburton Place  
Boston, Massachusetts

To His Excellency the Governor and Honorable Council:

The annual report of the Massachusetts Department of Mental Health for the year ending June 30, 1955 is respectfully submitted herewith.

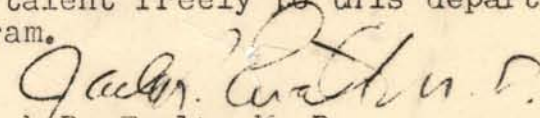
During the current year the department has made further progress as will be reflected in the statistics report. The most notable is a decline in the number of patients in our large mental hospitals. The hospital schools furnish service to an increasing number of children and we can take care of any child in some institution at any time. While we still maintain a waiting list, this is a waiting list of convenience made up of children whose parents prefer to wait for a vacancy in a particular school for a child of a particular age and degree of involvement. Other parents recalling the days of the long waiting list, prefer to keep their child's name on the waiting list but continue to take care of it at home.

There has been a gratifying expansion and interest in the court clinics, service to sex offenders and other offenders and in the expansion of the services of the Division of Mental Hygiene.

It would be appropriate at this time to express the appreciation of the Commissioner for the cooperation at all levels of the staff of the department and hospitals, and to the Trustees of the hospitals, most of whom have visited and taken an active interest in the welfare of the hospitals, patients, and employees. We have continued to receive support from the offices of the Administration, particularly that of the Budget Commissioner. The support of the Legislature and its many special study commissions has been continued during this year and it is this support that makes the program possible.

I also wish to express our thanks to the large number of volunteers who work in our various institutions.

Another source of help for which I am grateful is the members of the press and the staffs of the radio and television stations who gave space, time and talent freely to this department in its public education program.

  
Jack R. Ewalt, M. D.  
Commissioner



## REPORT OF THE MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH

### DUTIES OF THE DEPARTMENT

The Department has general supervision of all public and private institutions for the mentally ill, mentally defective, epileptic and of persons in private hospitals addicted to the intemperate use of narcotics and stimulants. It has the right to make investigations and recommendations as to any matter relative to the classes under care, but the local administration of each State institution is under the control of its Superintendent.

The direct powers of the Department concern the interrelations of institutions and matters which are common to them all, such as the distribution and transfer of patients between them, deportation of patients to other states and countries, and the determination within statutory limits of the amount to be charged for the support of patients in institutions.

All requirements for maintenance appropriations are analyzed by the Department.

The statutes relating to the Department of Mental Health are to be found in Chapters 19 and 123 of the General Laws.

### CHANGES IN PERSONNEL

William C. Gaebler, M. D., resigned as Assistant Commissioner, January 16, 1955. Appointed Director of State Hospital Inspection, January 17, 1955.

William A. Hunter, M. D., was appointed Acting Assistant Commissioner, June 4, 1954. Terminated September 30, 1954. October 1, 1954, returned to regular position of Assistant to the Commissioner. October 29, 1954 was appointed Acting Assistant Commissioner.

Thomas F. Pugh, M. D., was appointed Director, Division Medical Statistics and Research, July 1, 1954.

Leon Shapiro, M. D., was appointed Director of Clinical Psychiatry, August 20, 1954, in charge of the pilot study for therapy treatment of sexual offenders.



## ACTIVITIES OF THE DEPARTMENT

## Medical Division

Department Staff Meetings were held at weekly intervals throughout the year. At these meetings, the qualifications of physicians for appointment, reappointment and promotion were considered. The department approves appointments and promotions of medical personnel to all institutions under its jurisdiction.

All fires, suicides or homicides were reviewed and discussed to determine what could be done to prevent these occurrences in the future.

In accordance with the provisions of Section 90, Chapter 123, of the General Laws, the release of all unrecovered patients on visit status, who might be considered dangerous, was reviewed and appropriate action recommended.

The reports of all hospital inspections were reviewed and approved.

To aid the courts in a better understanding of persons before them, the Department at the request of the court appointed psychiatrists to investigate the mental condition of persons held for trial in accordance with Section 100A of Chapter 123 of the General Laws. In the current year, one thousand two hundred and thirty-nine (1,239) such examinations were made.

In accordance with Section 99 of Chapter 123 of the General Laws, the presiding judge may request psychiatric examination of a person before the court. Twenty-five (25) such examinations were made.

The Department is also responsible for the examination of persons held under observation, Section 113, to determine whether they are defective, and under Section 118 after commitment as defective delinquents at regular intervals.

Psychiatric examination under Section 94A, Chapter 123 of the General Laws. When a petition has been presented to a court for adjudication of restoration of soundness of mind, the Department appoints psychiatrists to make examination and report to the court.

Because of the sudden unexpected need for psychiatric care, a certain number of persons without proper state residence qualifications are admitted to our institutions. The same thing is true of Massachusetts residents in other states. At the request of the mental health departments of these other states, investigation is made in such cases to establish responsibility and necessary plans made to return these individuals to their native states.



Massachusetts accepted ninety-three (93) residents returned from other states while twenty-three (23) residents of other states were returned to their native states.

Report of the medicolegal deaths and casualties occurring in the state, veteran and private institutions in the Commonwealth during the year ending June 30, 1955:-

There were 558 cases reported; 383 or about 65% were accepted for jurisdiction by the district medical examiners. Of the 558 cases, 160 or about 29% were autopsied. To recapitulate:- 271 instances of sudden death were in patients showing pre-existing evidence of serious disease but who were not placed on the danger list or were on the danger list less than twenty-four hours. Five of these deaths occurred during an epidemic of measles at one of the State Schools; cause of death in each measles case was bronchopneumonia. 246 cases were reported because there was knowledge of injury or a possibility of injury which may have contributed to or have caused death.

Analysis of the traumatic deaths:- 205 cases of fracture, of these 154 were fractured femurs and 51 of other bones. Many of these were unspecified accidents, the injury being found without knowledge of a fall or assault. A number were incurred as a result of minor altercations with other patients, particularly by fractures of the nose. The majority of fractures were caused by falls. Additional nursing service personnel could have prevented many of these.

There were twenty-one (21) cases of suicide reported - 12 at the hospitals; 4 while patient was on visit; 3 while on escape; and in two cases, the suicidal act had taken place prior to admission.

There were 18 cases in which the patients died within twenty-four hours of admission.

Injuries: There were 903 injuries reported. Of these, 63 cases were considered to be suicidal attempts; 756 of the injuries reported were fractures and 238 of these were fractured femurs; 84 other types of injury were reported.

#### Cambridge Court Clinic

In September, 1954, under a special grant from the Legislature, a study aimed at determining the treatability of the sex offender was begun. This study was directed at two groups; one, offenders that had been tried and sentenced to the correctional institution at Concord; and the other concerned with offenders awaiting trial or on probation at



the Third District Court of Middlesex County in Cambridge. The case studies included a battery of psychological tests, social service investigation and psychiatric interviews.

Not all the cases referred were accepted for psychiatric treatment. During the period to June 30, 1955, sixty-seven cases were seen and of these fifty-one were accepted for treatment, and 1,273 hours of therapy were given.

It was found that by and large the kinds of patients seen both at the court and in the prison differ little from the run of routine psychiatric patients seen in a hospital out-patient department. Aside from the special resistances peculiar to the setting, they have the same unconscious determinants of their behavior as any other group. A series of detailed case studies is planned to demonstrate the pattern of aberrant behavior. Whether or not treatment of the offenders in prison will be effective will need follow-up study to determine. The initial impression is that the majority of the patients were showing some movement psychologically which might allow them to use more socially acceptable outlets in the future. This pilot study has developed a setting in which to work and has outlined many areas for intensive research.

#### Division of Hospital Inspection

It is the responsibility of this division to carry out the provisions of Section 14 and Section 33 of Chapter 123. These sections require a yearly visit and inspection of all the State Hospitals and Schools and the private institutions for the care of the mentally ill, mentally deficient and epileptic. Prior to renewing the licenses January 1, 1955, all of the private institutions were visited and inspected. A detailed inspection was made at the Wrentham State School, the Walter E. Fernald State School including the Templeton Colony, the Metropolitan State Hospital and the Westborough State Hospital, as well as visits to the other State Hospitals and Schools.

In order to correct and bring up to date the rated capacity of each institution, it was decided that all new construction or renovation of buildings in which patients would reside would be inspected in detail and a change in capacity agreed upon. Such inspection was made at "Walnut Lodge," Foxborough State Hospital, a remodeled unit for the care of geriatric women.

The following changes in the private hospitals took place during the year. On October 1, 1954, Riverbrook Home was opened for the care of mentally retarded girls. Mrs. James McKenna is the owner while Henry Miller, M. D. is Medical Director, capacity nine (9).



On February 11, 1955, Crystal Springs Sanatorium was opened for the care of mentally retarded small children. Miss Eunice Evans, R. N., is the owner, while John E. Manning, M. D., is Medical Director, capacity twelve (12) children.

On February 25, 1955, the Washingtonian Hospital moved from 41 Waltham Street, Boston, to 41 Morton Street, Jamaica Plain. This permitted the hospital to increase the capacity to eighty (80) patients.

In addition, three of the institutions changed their names; viz. The Hanlon Sanatorium to Marie Hanlon Sanatorium; The Bean School to Bean Nursery; and the Farr Sanatorium to Elm Hall Nursery and School.

#### Division of Nursing Services

During the year, ten regular meetings of the nursing directors in our seventeen institutions were held. In general, the focus of these meetings has been improvement of our nursing service.

Eight committees consisting of the nursing directors and members of their nursing staff have been functioning. These committees are: Audio-visual aids; Library; Improvement of Nursing Service (a study committee); On-the-Job Training for Hospital Attendants; Practical Nursing Schools; Professional Nursing Affiliations; Nursing Records and Forms; Staff Education.

Beginning in March, a series of six workshops on "Interpersonal Relations in Supervision" of one week's duration was held. All persons in our ward services who were carrying any supervisory responsibilities participated. The total enrollment was 349. A similar program is being planned for the Spring of 1956.

Seven of our hospitals conducted a twelve-week program for student nurses affiliating from general hospitals. A total of 1184 students completed this affiliation this year. The number from each individual hospital is as follows: Boston Psychopathic, 137; Boston State, 216; Danvers, 102; Metropolitan, 254; Northampton, 107; Taunton, 148; Worcester, 220. These students represent 42 individual schools of nursing all of which are located in Massachusetts.

Our schools for practical nurses at Westborough and Gardner are now well established. To date we have graduated a total of 125 practical nurses, 73 from Gardner and 52 from Westborough. This year, we admitted 55 students. There appears to be considerable increase in the interest of these schools as evidenced by the acceptance of 55 students this year. The number of inquiries has increased tremendously in the last three months, and we anticipate much larger classes in 1956.



The Chief Supervisor of Psychiatric Nursing has been active in professional nursing organizations and has served as:

1. Consultant to the Nursing Committee of the Group for the Advancement of Psychiatry.
2. Chairman, American Nurses' Association Committee on Non-Professional Workers in Nursing.
3. Chairman, American Nurses' Association Sub-Committee to Define the Functions of the Non-Professional Worker in Psychiatric Nursing.
4. Member of American Nurses' Association and National League for Nursing Coordinating Council Special Committee to Consider the Means by which Organized Nursing Can Move in a Concerted Manner to Meet the Nursing Needs of the Mentally Ill.
5. American Nurses' Association representative on the National League for Nursing Committee on Materials Supplementary to the National League for Nursing Curriculum.
6. Chairman, Massachusetts State Nurses' Association and Massachusetts League for Nursing Coordinating Council Special Committee to Consider the Means by which Organized Nursing Can Move in a Concerted Manner to Meet the Nursing Needs of the Mentally Ill in Massachusetts.
7. Member of the Massachusetts State Nurses' Association Committee on the Improvement of Nursing Care.
8. Consultant to the Massachusetts State Nurses' Association Committee on Legislation.
9. Member of the Massachusetts League for Nursing Committee on the Nursing Aide Project.

#### Division of Social Service

The Division of Social Service was organized to coordinate, expand and develop psychiatric social work in the institutions under the Department. Eight meetings of head social workers were held at monthly intervals. At these meetings, the discussion included training and supervision of personnel, history taking, the rehabilitation and after-care of patients. A joint meeting of the social workers of the Department of Mental Health and Veterans Administration was held in April at which time placement of patients was discussed by a panel of three members.



All the hospitals and schools were visited several times to meet the staff social workers and learn their problems and try to improve service for the patients. Attempts were made to recruit qualified workers to fill vacancies, by contacting schools of social work, interviewing applicants for positions and discussing with superintendents the qualifications of various applicants.

#### Division of Occupational Therapy

Under the Division of Occupational Therapy, plans for the education of personnel continued. One phase has been the continued monthly meeting of the head occupational therapists which was held at different institutions from September through June. Programs included a panel on the volunteer program in relation to organization, assignments, outside contacts and volunteer's point of view; a report on the annual conference of the American Occupational Therapy Association with special emphasis on the institute on Interpersonal Relationships; reports on two occupational therapy sponsored in-service training programs for hospital personnel; and three lectures by a psychiatrist which were devoted to the development of personality and mental mechanisms.

The lectures were in preparation for another phase of the educational program, an institute on psychiatric occupational therapy held at Westborough State Hospital from January 17 to 28, 1955, for the head occupational therapist and one staff member from each institution.

Thirty-nine occupational therapy students from five schools were in affiliation at three of our hospitals during this year.

The Supervisor has continued to attend a variety of meetings and to be active on several committees such as the Advisory Committee for Special Projects of the Boston Association for Retarded Children.

#### New Legislation with Reference to the Department

The 1955 Legislature was in session after June 30, 1955, so that only those acts and resolves passed prior to that date will be listed here:

##### Chapter 8, Acts of 1955.

The proposed new building for disturbed female patients at Monson State Hospital designated the Beatrice V. Buckley Building.

##### Chapter 29, Acts of 1955.

Corrects the law relative to support of dependents.



Chapter 278, Acts of 1955.

The medical and infirmary building at the Danvers State Hospital, designated the Clarence A. Bonner Building.

Chapter 279, Acts of 1955.

The children's building at the Metropolitan State Hospital designated the Gaebler Children's Unit.

Chapter 35, Resolves of 1955.

Resolve further continuing the special commission to study the method of committing persons to mental hospitals, and their rights, care, and treatment and the release or discharge of persons so committed.

Chapter 51, Resolves of 1955.

Resolve reviving and continuing the special commission established to make an investigation and study relative to the retarded children and the training facilities available therefor and increasing the membership of said commission.

### Business Division

The financial and business administration of the Department and the institutions under its control is discussed herewith. Included are reports of the Engineering, Farm, Food, Settlement and Support, Billing Divisions and other activities.

The printing plant, conducted by the Department at the Gardner State Hospital, prints the requirements of the Department and the institutions. During the year letterheads, envelopes, medical and other forms, Christmas messages, and bulletins and booklets to the number of approximately 3,898,550 pieces were printed.

The Department operates a book bindery at the Northampton State Hospital where 963 books were bound for the various institutions.

On January 4, 1955, the Cushing Hospital was transferred from the United States of America to this Department. Plans for the renovation of the buildings are now being prepared.

The Division of Building Construction under the Commission on Administration and Finance supervises the construction of all additions, major alterations and renovations. Upon completion, the project is inspected and then turned over to the Department.

\$42,063,188.50 was appropriated by the Commonwealth for the current year for patient care. Of this amount,



\$41,263,693.94 was expended during the year. An additional \$19,731,500.00 was appropriated for new buildings and major alterations and renovations.

During the year, the Department received \$2,783,734.55 for support of patients.

Value of food produced on institution farms during the fiscal year was \$1,835,417.63.

#### The Engineering Division

Department engineers coordinated with consulting engineers and architects and the Division of Building Construction, in completing the plans and specifications for building requirements.

The construction program of projects authorized in the Capital Outlay Appropriations Act was continued, providing additional beds, modernization and the providing of adequate bathing and toilet facilities; improving of food preparation and service facilities; the elimination of fire hazards by fire-proof construction and rewiring at the institutions under the Department. Forty-one (41) such projects were completed during the year. In addition, one hundred and thirty-nine (139) maintenance projects were completed at various institutions. Plans and specifications were prepared for repair of damage to buildings and grounds caused by hurricanes during the summer of 1954.

A long range program for additions and renovations at various institutions was prepared, totalling \$71,744,500.00.

#### The Farm Division

The plans for specialization and consolidation of the farm program were continued. The poultry flocks at Grafton State Hospital and Metropolitan State Hospital were liquidated and the flock at Myles Standish State School was increased to 21,000 layers to provide eggs for the institutions without poultry.

The swine project at Wrentham State School was abolished and the animals transferred to Myles Standish State School. Construction was begun for an addition to the piggery at Westborough State Hospital in order to merge the hog herds of Grafton State Hospital and Worcester State Hospital with Westborough.

Plans are being formulated to modernize the milk processing plant at the Belchertown State School.



To compile statistical information, the dairy herd at Medfield State Hospital was placed on twice-a-day within a ten-hour period milking program.

Land clearing projects at Medfield State Hospital, Taunton State Hospital, Northampton State Hospital and Walter E. Fernald State School, Templeton, have provided additional acres for forage crops.

#### The Food Division

Inspections were conducted of the food service facilities of all the institutions which entailed basic preparation, efficiency of transportation, practicability of equipment, kitchen layout, dispensing units, personnel coverage and the quality of food at the area of service.

Corrective suggestions were forwarded to the institutions.

Menu meetings were held monthly wherein the monthly standard dietary was devised by a representative committee composed of the food coordinator, stewards and dietitians from institutions under the Department.

Coordination was maintained with the Department Farm Section and the Federal Surplus Commodities Agency for the practical utility of available commodities.

#### The Laundry Division

The laundry plants at the institutions were inspected and personnel were instructed in the operation of equipment for better efficiency.

#### The Settlement, Support and Billing Division

Settlement:- This division investigated three hundred and twenty-five (325) cases to determine the eligibility of patients to receive care. This dealt with patients under care in other states that possibly belonged in Massachusetts, or patients under care in Massachusetts who possibly were the responsibility of another state, or patients under care in Massachusetts who might be eligible for care in a Veterans Administration Hospital.

The ability of responsible persons to pay for support of patients when their accounts became delinquent was investigated and fifty-eight (58) cases of delinquent accounts were submitted to the Attorney General's Department. Fifty-six (56) of these cases were settled.



Petitions for the appointment of guardians and conservators, for allowance of accounts or sales of real estate were reviewed and over five thousand (5000) waivers were issued.

In accordance with Chapter 598, Acts of 1954, the rate for support of patients as determined by the Commissioner of Administration and Finance, was increased to \$3.25 per day, effective February 1, 1955.

A monthly average of 12,000 bills were rendered. The monthly average cash received was \$232,257.00. The number of payments averaged 4060 monthly.

#### Division of Mental Hygiene

The Division of Mental Hygiene continued the development of its community mental health program, with further establishment and development of clinical and consultation services, and further strengthening and development of the professional education-in-service training and supervisory programs. Monthly professional meetings have been held at the Worcester Youth Guidance Center, bringing all division personnel together to consider important professional topics. During the year, publication of a "Mental Hygiene News Bulletin" was undertaken. This bulletin is distributed to all division personnel and other interested professional groups.

One new community mental health center was opened in the Lawrence area. Community organization has been completed for the opening of two other centers; one, the Franklin County Guidance Center at Greenfield; and the other the South Boston Child Guidance Center. These will open early in the new year. Community organization is progressing in three other centers, so that it is hoped these will open soon. These are the Northern Berkshire Guidance Center, North Adams; the Framingham Area Guidance Center; and the Cambridge Mental Health Center.

The following several pages give statistical data with reference to the Division of Mental Hygiene.



Table 1

DATES OF OPENING AND AREAS PRESENTLY SERVED,  
MENTAL HEALTH CENTERS PARTICIPATED IN BY DIVISION OF MENTAL HYGIENE,  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH, JUNE 30, 1955

<u>Center</u>	<u>Fiscal Year Opened</u>	<u>Area Served</u>
West End Guidance Center	1924	Division of Child Guardianship
South Shore Guidance Center	1926	Braintree, Cohasset, Hull, Milton, Quincy, Scituate, Weymouth
Worcester Youth Guidance Center	1926	Auburn, Boylston, Grafton, Holden, Leicester, Millbury, Paxton, Shrewsbury, West Boylston
Greater Lowell Mental Health Center	1932	Billerica, Chelmsford, Dracut, Dunstable, Lowell, Tewksbury, Tyngsboro, Westford
Brockton Area Mental Health Center	1938	Abington, Avon, Bridgewater, Brockton, Carver, Duxbury, Easton, East Bridgewater, Foxboro, Halifax, Hanson, Hanover, Holbrook, Kingston, Marshfield, Middleboro, Norwell, Pembroke, Plimpton, Plymouth, Randolph, Rockland, Sharon, Stoughton, Wareham, West Bridgewater, Whitman
Child Guidance Clinic of Springfield	1938	Springfield and Vicinity
Halloran Child Guidance Center	1953	Belmont, Waltham, Watertown
Holyoke-Chicopee-Northampton Area Mental Health Clinic	1953	Amherst, Chicopee, Easthampton, Granby, Holyoke, Northampton, South Hadley, Southampton
North Central Mental Health Consultation Service	1954	Athol, Ashby, Ashburnham, Ayer, Berlin, Bolton, Dunstable, Fitchburg, Gardner, Groton, Harvard, Hubbardston, Lancaster, Leominster, Littleton, Lunenburg, Pepperell, Petersham, Phillipston, Royalston, Shirley, Templeton, Townsend, Westford, Westminster, Winchendon
Greater Lawrence Guidance Center	1955	Andover, Lawrence, Methuen, North Andover



Figure 1

EXPENDITURES FOR MENTAL HEALTH CENTERS  
PARTICIPATED IN BY DIVISION OF MENTAL HYGIENE,  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH,  
STATE FUNDS, 1945-1954,  
FEDERAL GRANTS-IN-AID, 1948-1955

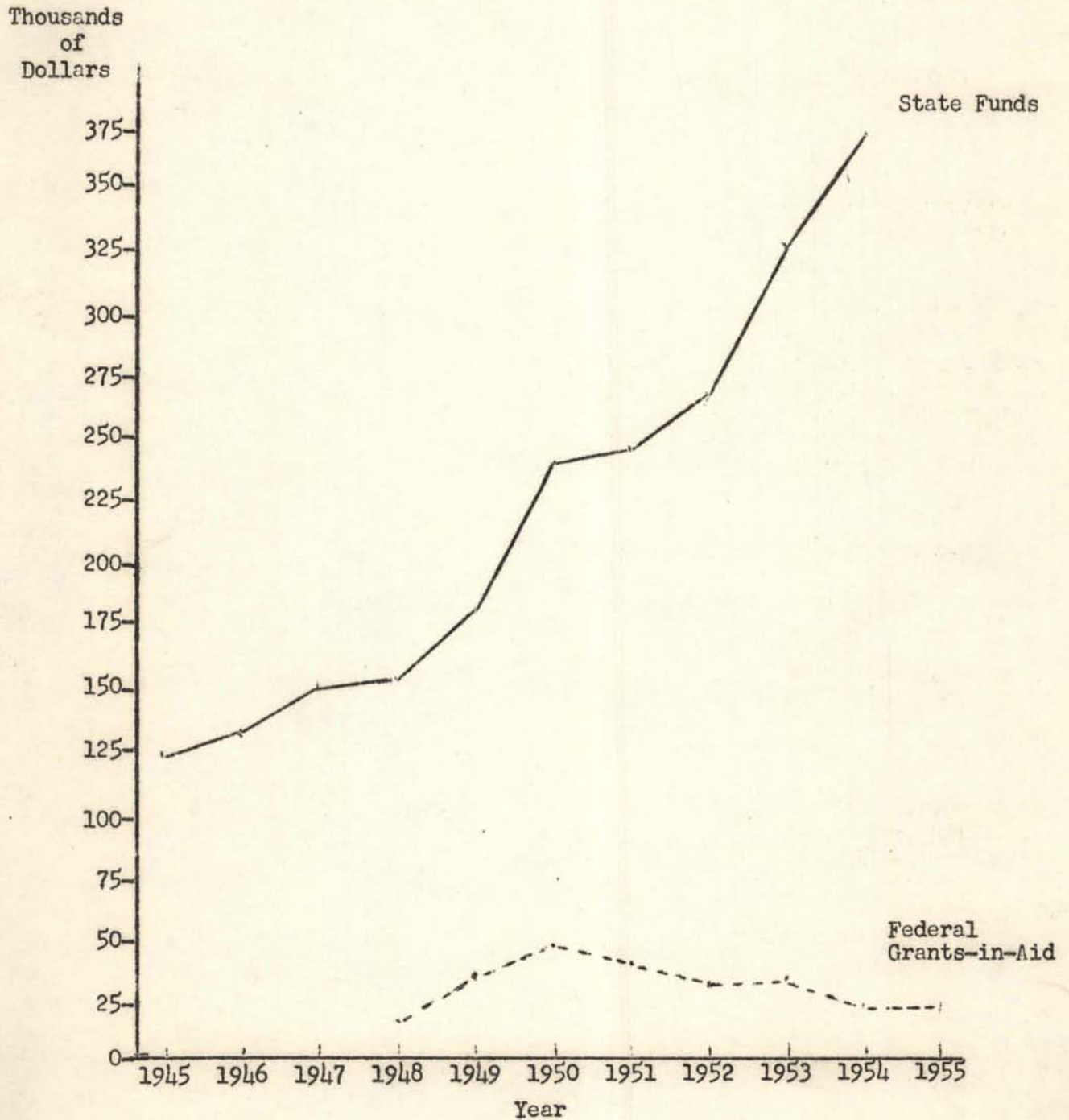




Figure 2

MENTAL HEALTH CENTERS  
PARTICIPATED IN BY DIVISION OF MENTAL HYGIENE  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
OPERATING END OF FISCAL YEAR, 1946-1955

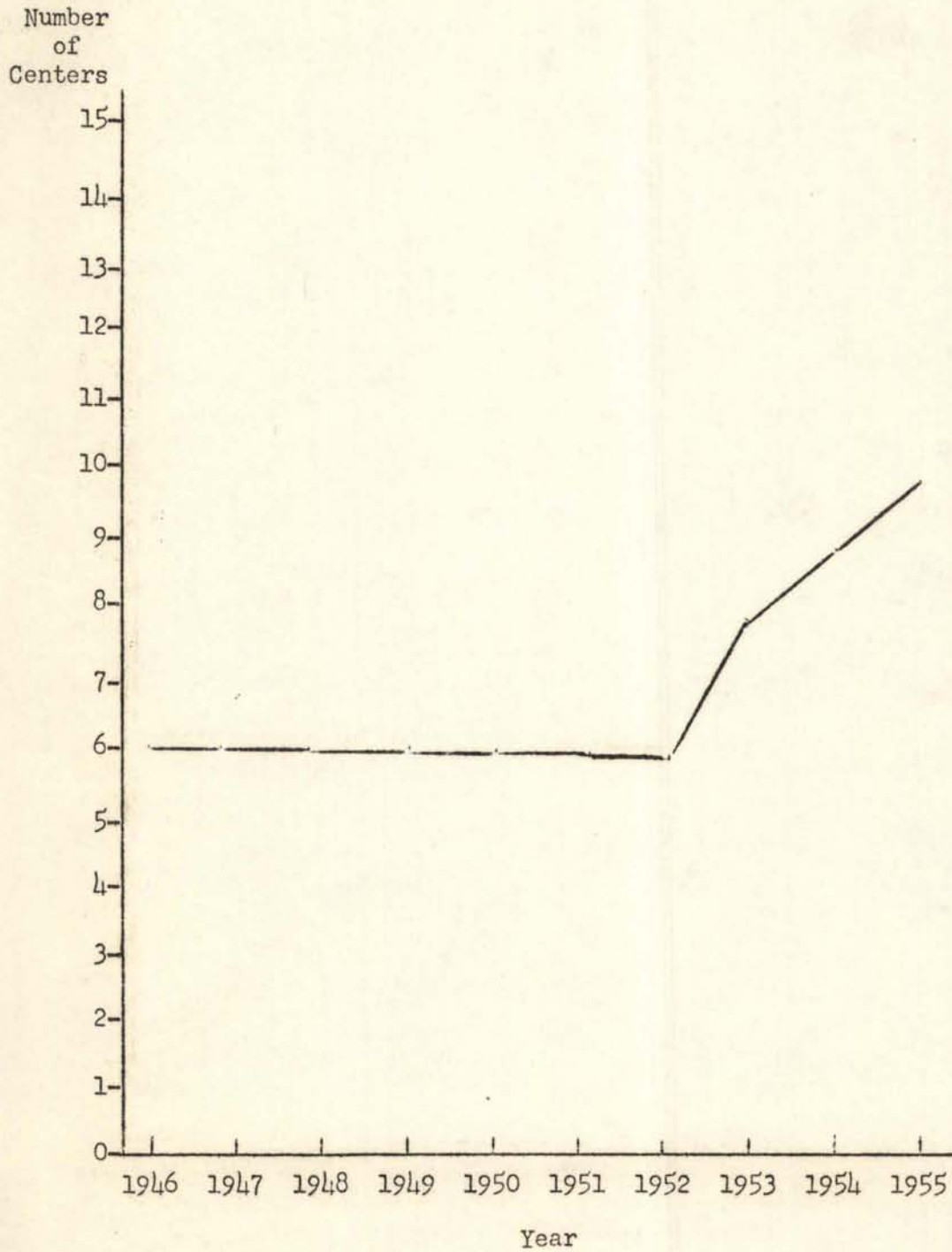
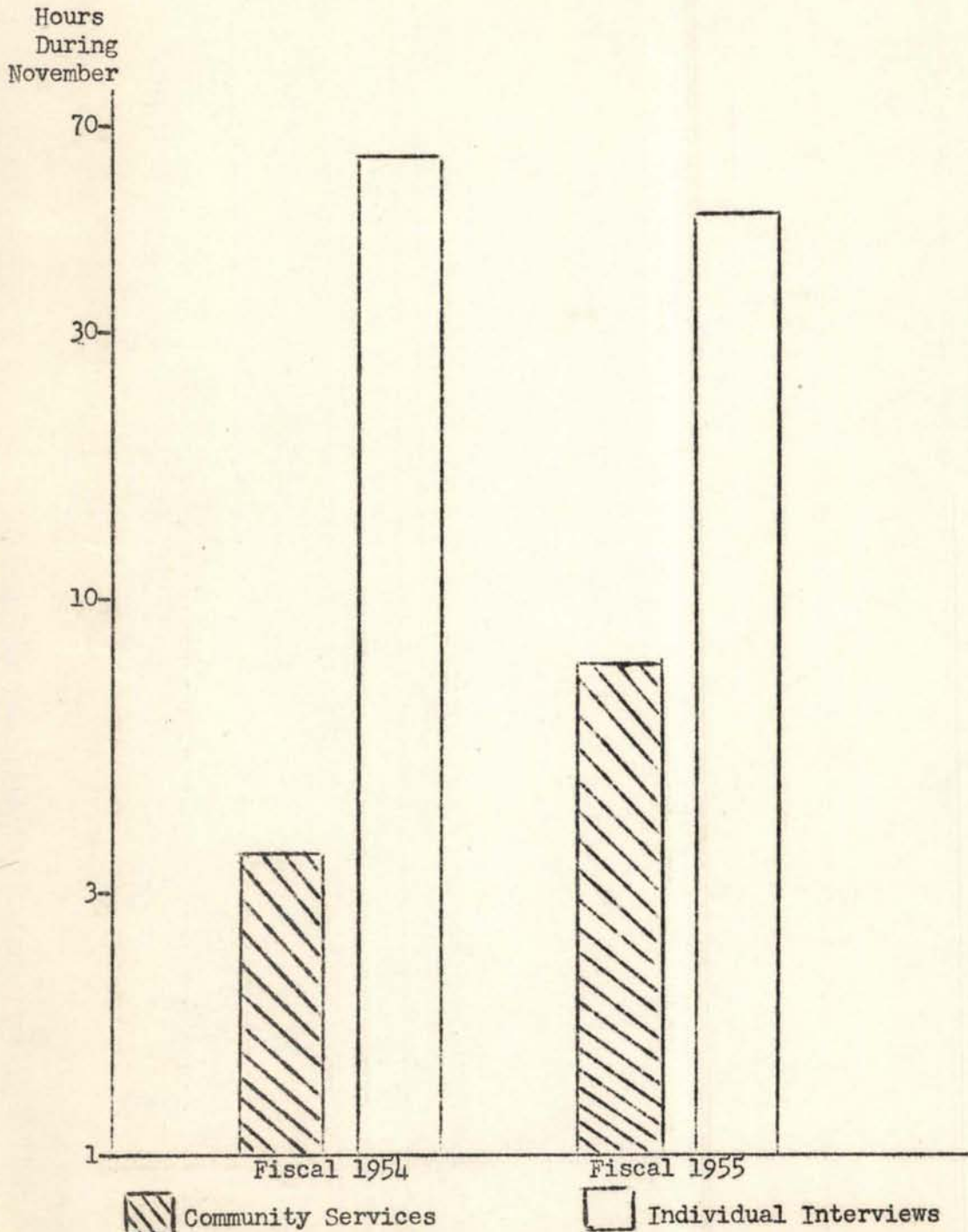




Figure 3

HOURS SPENT IN INDIVIDUAL INTERVIEWS AND COMMUNITY SERVICES  
DURING NOVEMBER PER FULL-TIME EQUIVALENT PROFESSIONAL STAFF MEMBER,  
MENTAL HEALTH CENTERS PARTICIPATED IN BY DIVISION OF MENTAL HYGIENE<sup>1</sup>,  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH, 1954 - 1955



<sup>1</sup>Centers included are the four which reported community services for both years and the center new in 1955.



Figure 4

NUMBER OF INDIVIDUAL INTERVIEWS BY PSYCHIATRISTS, PSYCHOLOGISTS,  
PSYCHIATRIC SOCIAL WORKERS AND MENTAL HEALTH CONSULTANTS,  
MENTAL HEALTH CENTERS PARTICIPATED IN BY DIVISION OF MENTAL HYGIENE,  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH, 1945 - 1955

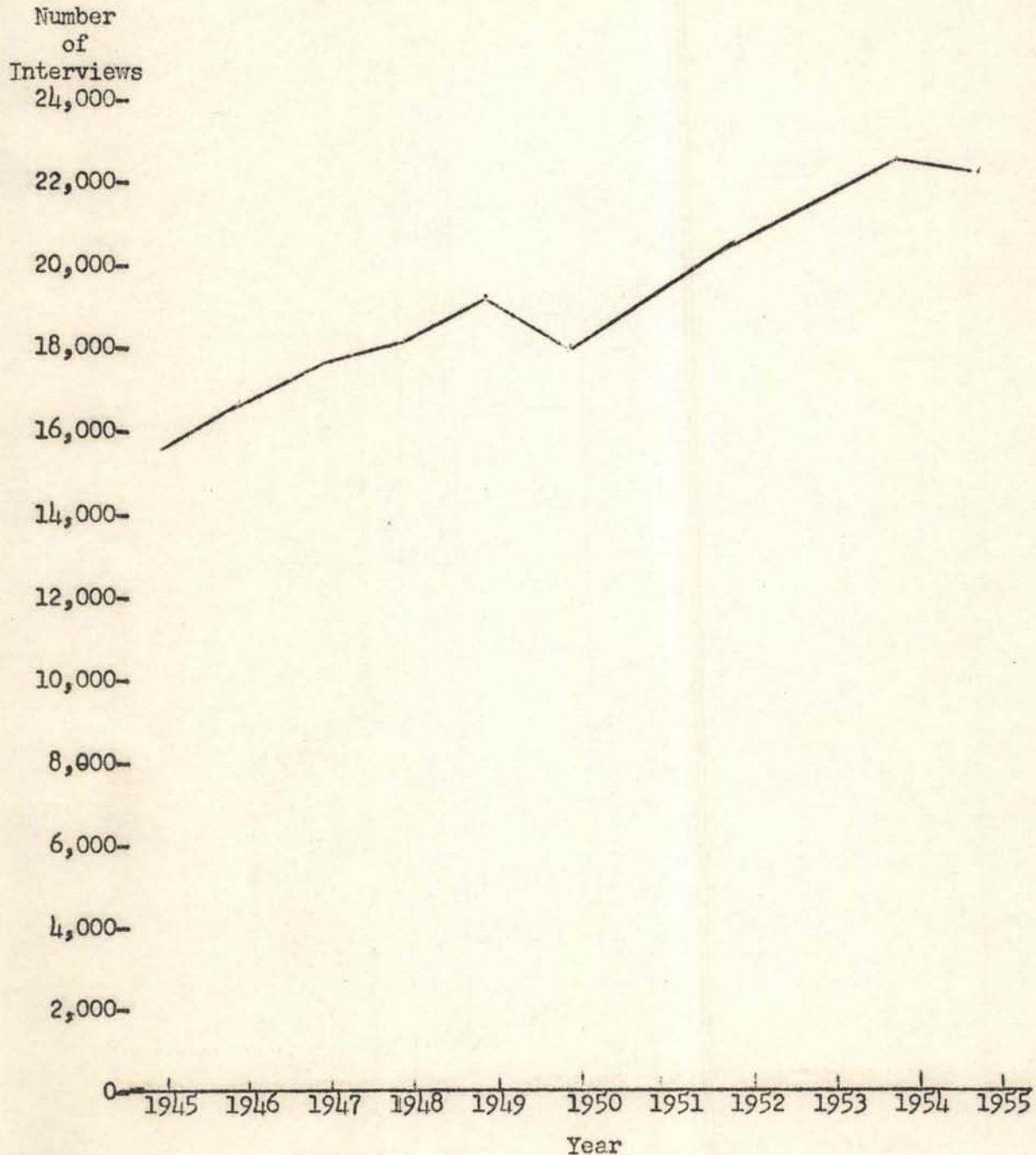
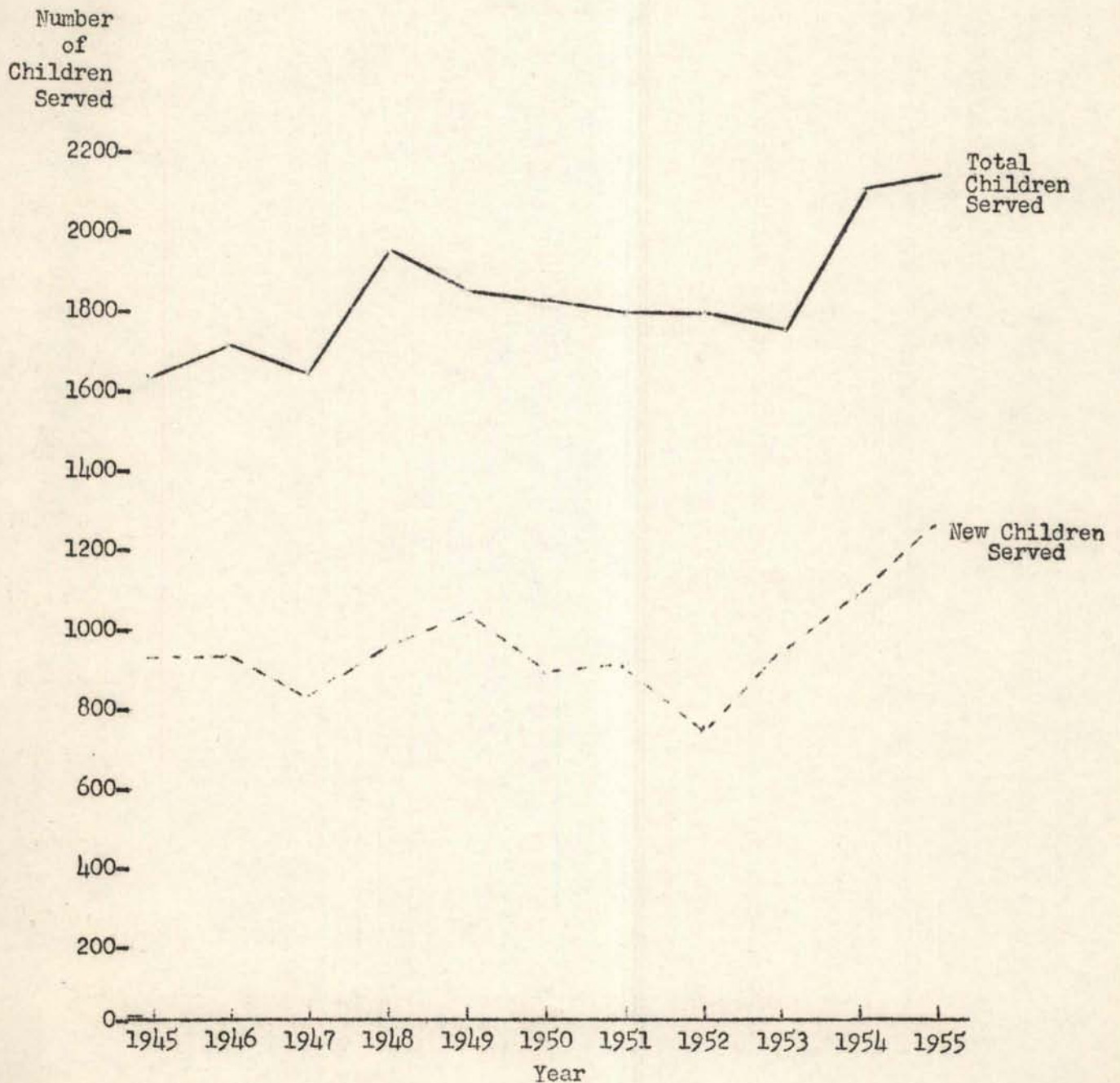




Figure 5

TOTAL NUMBER OF CHILDREN SERVED AND CHILDREN SERVED FOR THE FIRST TIME  
MENTAL HEALTH CENTERS PARTICIPATED IN BY DIVISION OF MENTAL HYGIENE,  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH, 1945 - 1955





### Division of Medical Statistics and Research

The major activity of the Division during 1955 dealt with reorganizing the mechanism of reporting, coding and tabulation of medical reports from mental institutions licensed by the Department and from mental health centers participated in by the Department.

The tables and figures appearing in the Annual Report were prepared by this Division. Material dealing with the Department is divided into five sections (1) Financial, (2) Division of Mental Hygiene, (3) Hospitals for Mental Illnesses, (4) Hospital for Convulsive Disorders, and (5) Hospital-Schools for Retarded Mental Development. That pertaining to the Division of Mental Hygiene appears with the text of its report. The remaining sections are presented here.

In addition an appendix is included. The appendix combines data on patients of this Department's hospitals for mental illnesses with data for Bridgewater State Hospital (Department of Correction), Tewksbury State Hospital (Department of Public Welfare), Veterans' Administration Hospitals in Massachusetts (Bedford, Boston, Brockton and Northampton) and McLean Hospital.

In tables and figures on hospitals and hospital schools, the distributions of age and diagnostic categories for 1955 admissions, discharges and deaths are made on the assumption that age and diagnostic percentage distributions observed during January, February and March were the same as those for the entire fiscal year. Case fatality and discharge rates use as their denominators "cases under care." These denominators were obtained by adding to the number of patients on books at the end of the year the numbers of deaths and discharges during the year. The age and diagnostic distributions of the patients on the books at the end of the year were derived from age and diagnostic percentage distributions observed in a two percent sample of the book population.



## Section 1. Financial

Tables 2-8

Figure 6

The financial information presented here relates to activities under the fiscal control of this Department. For financial data on mental health activities by other agencies of the Commonwealth reference should be made to their annual reports (Department of Correction, Department of Public Welfare, etc).



Table 2

TOTAL EXPENDITURES BY COMMONWEALTH  
AND THAT PART EXPENDED BY DEPARTMENT OF MENTAL HEALTH  
MASSACHUSETTS, 1935-1955

Year	Amounts in Millions of Dollars		
	Total Amount, Commonwealth	Department of Mental Health	
		Amount	Percent of Total
1935	83.0	13.4	16.1
1936	93.4	13.4	14.3
1937	98.6	12.9	13.1
1938	113.1	12.9	11.4
1939	131.6	13.2	10.0
1940	123.2	12.3	10.0
1941	127.0	12.1	9.5
1942	125.4	12.7	10.1
1943 <sup>a</sup>	57.0	7.0	12.3
1944	126.1	12.8	10.2
1945	120.2	12.9	10.7
1946	175.4	13.8	7.9
1947	275.6	17.6	6.4
1948	197.2	21.2	10.8
1949	234.9	26.2	11.2
1950	288.3	33.4	11.6
1951	357.5	38.3	10.7
1952	389.5	42.4	10.9
1953	431.3	46.2	10.7
1954	460.8	44.2	9.6
1955	481.3	43.9	9.1

<sup>a</sup> Seven months; fiscal year changed from November through October to July through June.



Table 3

TYPES OF EXPENDITURES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Amounts in Millions of Dollars				
	Operating Expenses			Construction, Betterments	Total
	Personnel	Maintenance	Subtotal		
1935	5.1	4.4	9.5	3.9	13.4
1936	6.2	4.5	10.7	2.7	13.4
1937	6.5	5.2	11.7	1.2	12.9
1938	6.7	5.0	11.7	1.2	12.9
1939	6.9	4.8	11.7	1.5	13.2
1940	7.0	4.9	11.9	0.4	12.3
1941	6.8	5.2	12.0	0.1	12.1
1942	7.2	5.5	12.7	0.06	12.7
1943 <sup>a</sup>	3.9	3.0	6.9	0.1	7.0
1944	7.3	5.4	12.7	0.1	12.8
1945	7.3	5.3	12.8	0.07	12.9
1946	7.9	5.8	13.7	0.1	13.8
1947	9.8	7.6	17.4	0.2	17.6
1948	11.8	8.7	20.5	0.7	21.2
1949	15.6	9.0	24.6	1.6	26.2
1950	20.7	9.9	30.6	2.7	33.4
1951	20.9	10.3	31.2	7.1	38.3
1952	24.5	11.1	35.6	6.8	42.4
1953	26.3	11.4	37.7	8.5	46.2
1954	27.3	11.4	38.7	5.5	44.2
1955	30.3	10.8	41.1	2.8	43.9

<sup>a</sup>Seven months; fiscal year changed from November through October to July through June.



Table 4

TOTAL PERSONNEL EXPENDITURES BY COMMONWEALTH  
AND THAT PART EXPENDED BY DEPARTMENT OF MENTAL HEALTH  
MASSACHUSETTS, 1944-1955

Year	Amounts in Millions of Dollars		
	Total Amount, Commonwealth	Department of Mental Health Amount	Percent of Total
1944	33.92	7.3	21.5
1945	34.62	7.3	21.1
1946	39.14	7.9	20.2
1947	48.90	9.8	20.0
1948	59.84	11.8	19.7
1949	67.33	15.6	23.2
1950	88.10	20.7	23.5
1951	93.73	20.9	22.3
1952	106.66	24.5	23.0
1953	109.60	26.3	24.0
1954	112.70	27.3	24.2
1955	123.08	30.3	24.6



Table 5

OPERATING EXPENSES BY TYPE OF SERVICE  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Amount in Millions of Dollars					
	Hospital, Hospital-School Services				Department, Division Mental Hygiene	Total
	Mental Ill- nesses	Convuls- ive Dis- orders	Retarded Mental Develop- ment	Subtotal		
1935	7.0	0.5	1.7	9.2	0.3	9.5
1936	8.0	0.6	1.8	10.4	0.3	10.7
1937	8.8	0.7	1.9	11.4	0.3	11.7
1938	8.8	0.7	1.9	11.4	0.3	11.7
1939	8.8	0.7	1.9	11.4	0.3	11.7
1940	9.0	0.7	1.9	11.6	0.3	11.9
1941	9.0	0.7	2.0	11.7	0.3	12.0
1942	9.5	0.7	2.1	12.3	0.4	12.7
1943 <sup>a</sup>	5.2	0.4	1.1	6.7	0.2	6.9
1944	9.5	0.7	2.1	12.3	0.4	12.7
1945	9.6	0.7	2.1	12.4	0.4	12.8
1946	10.2	0.8	2.2	13.2	0.5	13.7
1947	12.8	1.0	3.1	16.9	0.5	17.4
1948	15.1	1.1	3.8	20.0	0.5	20.5
1949	18.0	1.3	4.7	24.0	0.6	24.6
1950	22.5	1.6	5.8	29.9	0.7	30.6
1951	22.7	1.7	6.1	30.5	0.7	31.2
1952	26.1	2.0	6.7	34.8	0.8	35.6
1953	27.2	2.0	7.5	36.7	1.0	37.7
1954	27.4	2.1	8.2	37.7	1.0	38.7
1955	28.8	2.2	8.9	39.9	1.2	41.1

<sup>a</sup>Seven months; fiscal year changed from November through October to July through June.



Table 6

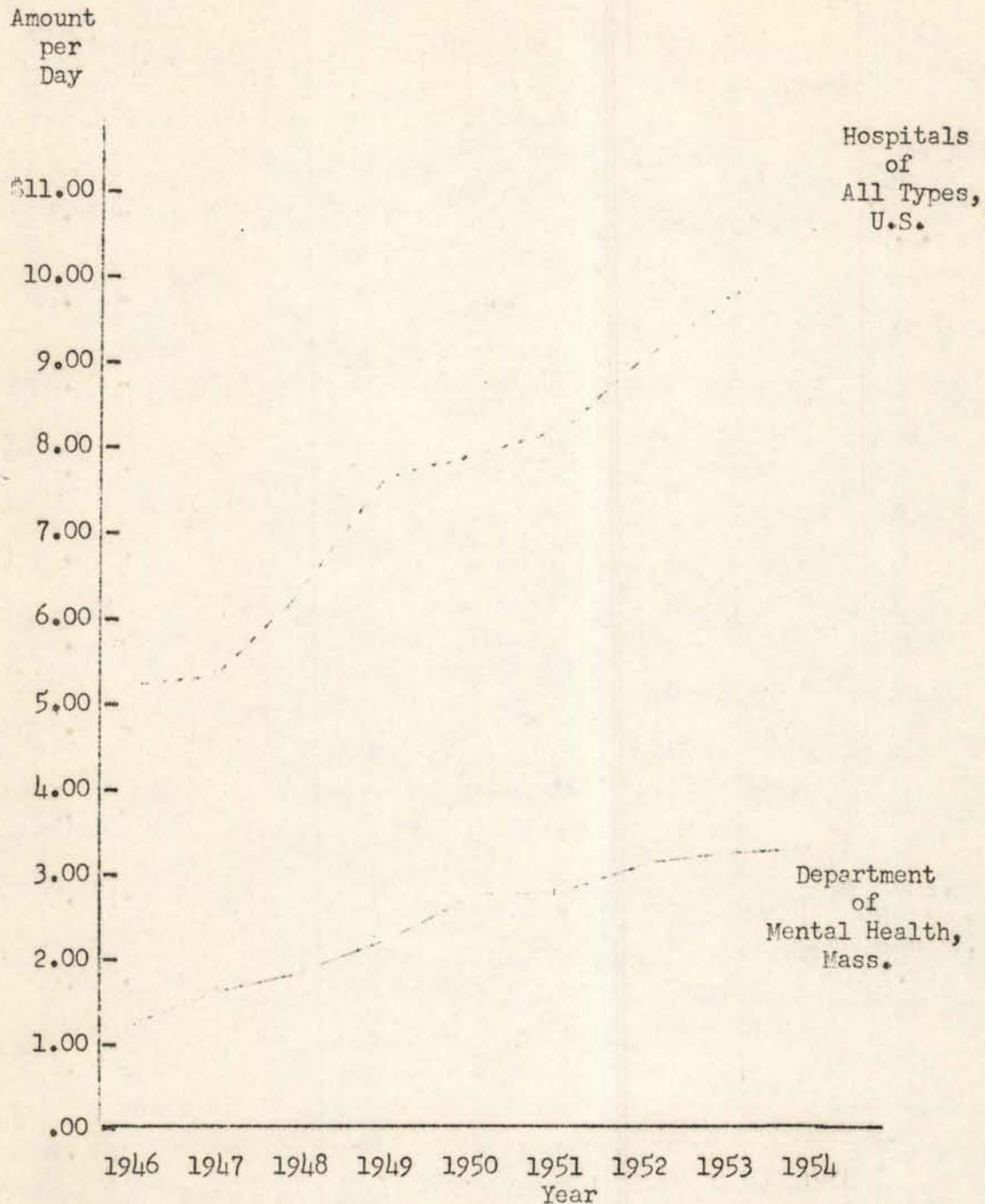
NUMBER OF IN-PATIENTS REMAINING AT END OF YEAR  
HOSPITALS, HOSPITAL-SCHOOLS  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Number of In-Patients at End of Year			Total
	Hospitals for Mental Illnesses	Hospital for Con- vulsive Disorders	Hospital- Schools for Retard- ed Mental Development	
1935	19111	1476	5009	25596
1936	19673	1514	5133	26320
1937	20023	1521	5244	26788
1938	20506	1550	5225	27281
1939	20623	1543	5238	27404
1940	21138	1556	5246	27940
1941	21071	1557	5258	27886
1942	21358	1524	5247	28129
1943	21445	1485	5196	28126
1944	21575	1469	5073	28117
1945	21782	1470	5031	28283
1946	21802	1424	5026	28252
1947	21934	1427	5185	28546
1948	22472	1424	5433	29329
1949	22585	1458	5579	29622
1950	22377	1466	5809	29652
1951	22274	1514	5802	29590
1952	22557	1522	5824	29903
1953	22798	1530	6140	30468
1954	22480	1519	6712	30711
1955	22201	1538	7000	30739



Figure 6

OPERATING EXPENSES PER DAY OF IN-PATIENT CARE  
HOSPITALS OF ALL TYPES, UNITED STATES,  
COMPARED WITH  
HOSPITALS AND HOSPITAL-SCHOOLS, DEPARTMENT OF MENTAL HEALTH, MASSACHUSETTS  
1946-1954



Source: Data for U. S. Hospitals of all types obtained from Hospitals August 1955, Volume 29, #8, Part 2.



Table 7

PAYMENTS RECEIVED FROM PATIENTS FOR  
HOSPITAL, HOSPITAL-SCHOOL SERVICES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Amounts in Thousands of Dollars			Total
	Hospitals for Mental Illnesses	Hospital for Con- vulsive Disorders	Hospital- Schools for Retard- ed Mental Development	
1935	722.4	16.8	40.0	779.2
1936	707.8	19.8	37.2	764.8
1937	720.0	15.1	44.6	779.7
1938	746.3	15.0	35.5	796.8
1939	760.7	14.3	44.0	819.0
1940	756.3	13.7	48.5	818.5
1941	790.6	16.7	54.8	862.1
1942	828.4	21.0	59.3	908.7
1943 <sup>a</sup>	870.5	24.5	59.3	954.3
1944	979.3	24.1	64.9	1068.3
1945	1005.9	26.6	80.8	1113.3
1946	1096.1	23.9	75.5	1195.5
1947	1113.0	26.3	90.3	1229.6
1948	1161.8	28.3	91.6	1281.7
1949	1167.2	29.5	109.0	1305.7
1950	1221.7	33.8	127.7	1383.2
1951	1377.1	40.9	142.7	1560.7
1952	1607.3	57.5	174.8	1839.6
1953	1787.7	69.3	204.4	2061.4
1954	2050.1	64.5	284.0	2398.6
1955	2331.4	72.0	366.0	2769.4

<sup>a</sup>Seven months; fiscal year changed from November through October to July through June.



Table 8

PAYMENTS RECEIVED FROM PATIENTS AS  
PERCENT OF TOTAL OPERATING EXPENSES  
HOSPITAL, HOSPITAL-SCHOOL SERVICES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Percent of Total Operating Expenses			Total
	Hospitals for Mental Illnesses	Hospital for Con- vulsive Disorders	Hospital- Schools for Retard- ed Mental Development	
1935	10.3%	3.1%	2.4%	8.5%
1936	8.9	3.2	2.1	7.4
1937	8.2	2.2	2.3	6.8
1938	8.4	2.2	1.9	7.0
1939	8.7	2.1	2.5	7.2
1940	8.4	1.9	2.5	7.0
1941	8.8	2.3	2.8	7.4
1942	8.7	2.7	2.9	7.4
1943 <sup>a</sup>	9.8	3.5	3.1	8.3
1944	10.3	3.3	3.1	8.7
1945	10.5	3.7	3.8	9.0
1946	10.7	3.1	3.4	9.0
1947	8.7	2.8	2.9	7.3
1948	7.7	2.6	2.4	6.4
1949	6.5	2.3	2.3	5.4
1950	5.4	2.1	2.2	4.6
1951	6.0	2.4	2.4	5.1
1952	6.2	3.0	2.6	5.3
1953	6.6	3.5	2.7	5.6
1954	7.5	3.1	3.5	6.4
1955	8.1	3.3	4.1	6.9

<sup>a</sup>Seven months; fiscal year changed from November through October to July through June.



### Section 3. Hospitals for Mental Illnesses

Tables 9-26

Figure 7

The data included here combine the experience of Boston Psychopathic and Boston, Danvers, Foxborough, Gardner, Grafton, Medfield, Metropolitan, Northampton, Taunton, Westborough and Worcester State Hospitals. Data for Monson State Hospital (for convulsive disorders) are excluded from this section.

Age and diagnostic distributions relating to 1955 are based on samples (see report by Division of Medical Statistics and Research).



Table 9  
ADMISSIONS<sup>1</sup> DURING YEAR, BY SEX  
HOSPITALS FOR MENTAL ILLNESSES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937-1955

<u>Year</u>	<u>Number of Cases Admitted</u>		
	<u>Male</u>	<u>Female</u>	<u>Total</u>
1937	3430	2846	6276
1938	3474	2875	6349
1939	3393	2860	6253
1940	3556	2987	6543
1941	3495	2942	6437
1942	3517	2884	6401
1943 <sup>a</sup>	2841	2216	5057
1944	3363	3207	6570
1945	3221	3157	6378
1946	3323	3257	6580
1947	3572	3409	6981
1948	4192	3611	7803
1949	4160	3583	7743
1950	4077	3545	7622
1951	3948	3625	7573
1952	3967	3673	7640
1953	4174	3872	8046
1954	4041	3726	7767
1955	4181	3686	7867

<sup>1</sup>Excludes transfers and discharge-commitments from DMH and other hospitals for mental illnesses in Massachusetts.

<sup>a</sup>Nine months; statistical year changed from October through September to July through June.



Table 10  
DISCHARGES<sup>1</sup> AND DEATHS DURING YEAR, BY SEX  
HOSPITALS FOR MENTAL ILLNESSES,  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937-1955

Year	Number of Cases								
	Discharged			Died			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1937	2228	1690	3918	930	915	1845	3158	2605	5763
1938	2328	1817	4145	786	808	1594	3114	2625	5739
1939	2316	1935	4251	874	880	1754	3190	2815	6005
1940	2326	1852	4178	865	827	1692	3191	2679	5870
1941	2396	1869	4265	927	911	1838	3323	2780	6103
1942	2352	1820	4172	964	875	1839	3316	2695	6011
1943 <sup>a</sup>	1918	1434	3352	864	889	1753	2782	2323	5105
1944	2261	1742	4003	1200	1214	2414	3461	2956	6417
1945	2036	1695	3731	1116	1147	2263	3152	2842	5994
1946	2120	1866	3986	1127	1255	2382	3247	3121	6368
1947	2293	2053	4346	1173	1137	2310	3466	3190	6656
1948	2757	2204	4961	1060	1161	2221	3817	3365	7182
1949	2810	2373	5183	1090	1134	2224	3900	3507	7407
1950	3032	2379	5411	1074	1062	2136	4106	3441	7547
1951	2703	2355	5058	1128	1132	2260	3831	3487	7318
1952	2732	2456	5188	1087	1242	2329	3819	3698	7517
1953	3042	2509	5551	1120	1097	2217	4162	3606	7768
1954	2884	2571	5455	1061	1140	2201	3945	3711	7656
1955	3119	2600	5719	1161	1201	2362	4280	3801	8081

<sup>1</sup>Excludes transfers and discharge-commitments to DMH and other hospitals for mental illnesses in Massachusetts.

<sup>a</sup>Nine months; statistical year changed from October through September to July through June.



Table 11  
MOVEMENT<sup>1</sup> OF PATIENTS BETWEEN HOSPITALS FOR MENTAL ILLNESSES  
OF DEPARTMENT OF MENTAL HEALTH AND OTHER HOSPITALS FOR  
MENTAL ILLNESSES IN MASSACHUSETTS, BY SEX  
1937-1955

Year	Male		Female		Total	
	To DMH from Other	To Other from DMH	To DMH from Other	To Other from DMH	To DMH from Other	To Other from DMH
1937	51	117	54	25	105	142
1938	56	237	47	23	103	260
1939	26	80	52	22	78	102
1940	20	157	40	22	60	179
1941	22	126	42	24	64	150
1942	28	222	89	38	117	260
1943 <sup>a</sup>	25	97	43	81	68	178
1944	30	128	72	31	102	159
1945	23	137	66	41	89	178
1946	17	99	56	44	73	143
1947	21	118	68	56	89	174
1948	30	154	38	37	68	191
1949	39	136	60	27	99	163
1950	37	102	29	16	66	118
1951	20	91	24	18	44	109
1952	23	48	23	33	46	81
1953	33	114	40	18	73	132
1954	14	397	18	37	32	434
1955	27	251	194	63	221	314

<sup>1</sup>By transfer and discharge-commitment.

<sup>a</sup>Nine months; statistical year changed from October through September to July through June.

Table 12

ADMISSIONS<sup>1</sup>, BY AGE AND SEX  
HOSPITALS FOR MENTAL ILLNESSES,  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937, 1945 AND 1955

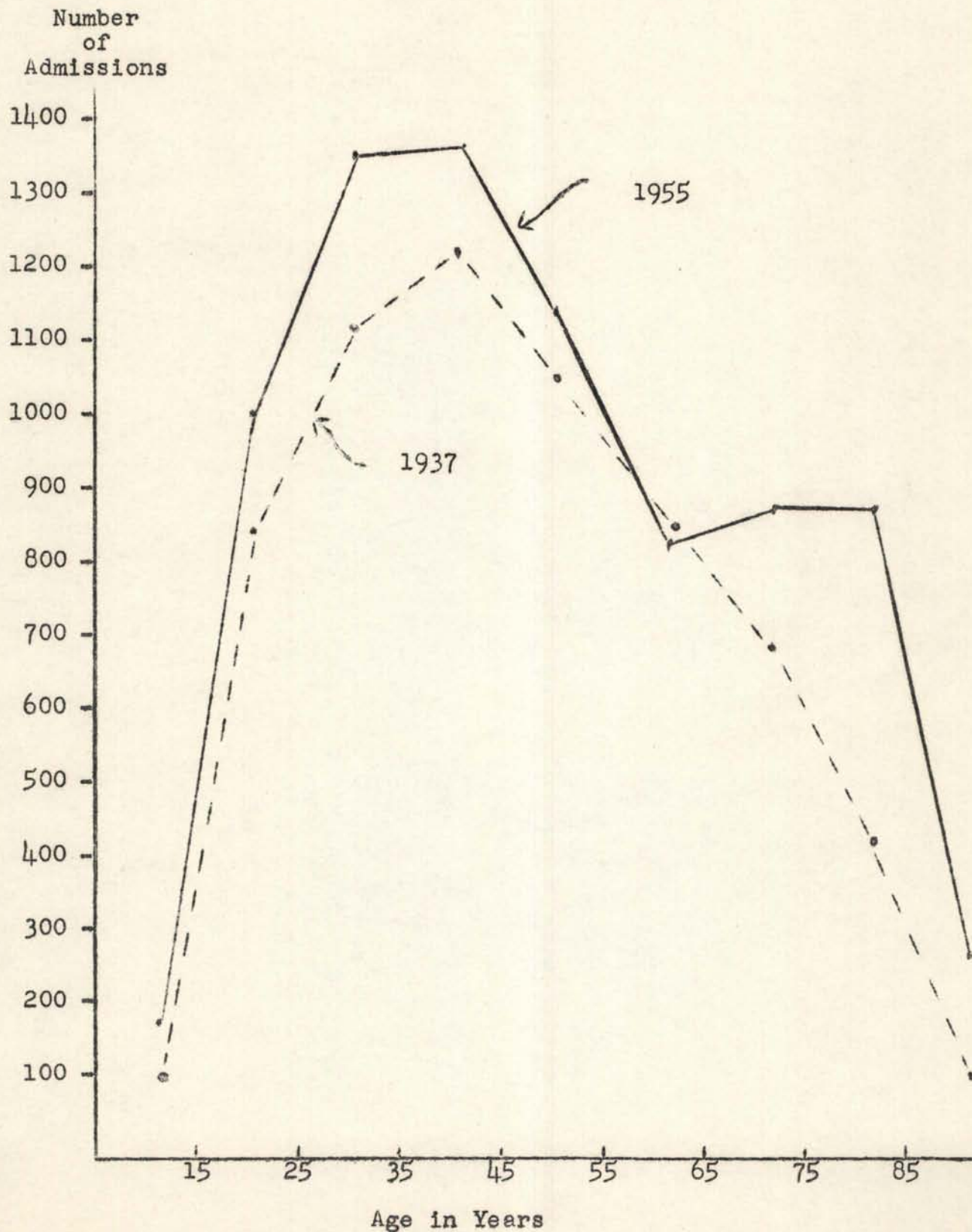
Age in Years	Male			Female			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Under 15	43	88	113	37	24	48	80	112	161
15-24	493	542	678	346	366	333	839	908	1011
25-34	617	476	729	497	603	620	1114	1079	1349
35-44	709	579	706	511	558	661	1220	1137	1367
45-54	584	482	499	462	481	645	1046	963	1144
55-64	432	405	447	411	361	381	843	766	828
65-74	353	409	479	320	394	397	673	803	876
75-84	193	305	413	219	415	463	412	720	876
85 and over	37	74	117	54	124	138	91	198	255
Total	3461	3360	4181	2857	3326	3686	6318	6686	7867

<sup>1</sup>Excludes all transfers and discharge-commitments from DMH and other hospitals for mental illnesses in Massachusetts for 1955, and the majority of such movement for 1937 and 1945.



Figure 7

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
AGE OF ADMISSIONS  
HOSPITALS FOR MENTAL ILLNESSES  
1937 AND 1955



Best. Psycho  
 Best  
 Danvers  
 Foxborough  
 Gardner  
 Grafton  
 Medfield  
 Methuen  
 Northampton  
 Taunton  
 Westborough  
 Worcester

Table 13

PATIENTS ADMITTED FOR FIRST TIME<sup>1</sup>, BY AGE AND SEX  
 HOSPITALS FOR MENTAL ILLNESSES,  
 MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
 1937, 1945 AND 1955

Age in Years	Males			Females			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Under 15	40	78	109	30	18	40	70	96	149
15-24	375	410	471	260	254	215	635	664	686
25-34	432	276	401	340	374	385	772	650	786
35-44	480	338	381	350	314	349	830	652	730
45-54	417	308	268	306	270	300	723	578	568
55-64	328	278	288	300	240	207	628	518	495
65-74	295	331	390	266	328	324	561	659	714
75-84	177	280	385	205	377	418	382	657	803
85 and over	34	70	101	53	117	134	87	187	235
Total	2578	2369	2794	2110	2292	2372	4688	4661	5166

<sup>1</sup>Without history of past care in any mental hospital.



Table 14

READMISSIONS<sup>1</sup>, BY AGE AND SEX  
HOSPITALS FOR MENTAL ILLNESSES,  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937, 1945 AND 1955

Age in Years	Male			Female			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Under 15	3	10	4	7	6	8	10	16	12
15-24	118	132	207	86	112	118	204	244	325
25-34	185	200	328	157	229	235	342	429	563
35-44	229	241	325	161	244	312	390	485	637
45-54	167	174	231	156	211	345	323	385	576
55-64	104	127	159	111	121	174	215	248	333
65-74	58	78	89	54	66	73	112	144	162
75-84	16	25	28	14	38	45	30	63	73
85 and over	3	4	16	1	7	4	4	11	20
Total	883	991	1387	747	1034	1314	1630	2025	2701

<sup>1</sup>Excludes all transfers and discharge-commitments from DMH and other hospitals for mental illnesses in Massachusetts for 1955, and the majority of such movement for 1937 and 1945.

Table 15

DIAGNOSTIC GROUP AND SEX, TOTAL ADMISSIONS<sup>1</sup>  
HOSPITALS FOR MENTAL ILLNESSES, MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937, 1945 AND 1955

Diagnostic Group	Males			Females			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Brain Syndromes Associated with:									
Syphilis	176	166	-	47	43	8	223	209	8
Cerebral Arteriosclerosis, Senility	595	723	808	655	922	799	1250	1645	1607
Alcohol Intoxication	509	403	454	82	69	106	591	472	560
Other Conditions	233	226	304	188	196	240	421	422	544
Subtotal	1513	1518	1566	972	1230	1153	2485	2748	2719
Psychotic Disorders:									
Involutional Reaction	41	56	105	123	217	304	164	273	409
Affective Reactions	310	220	243	477	489	430	787	709	673
Schizophrenic Reactions	565	507	787	557	675	892	1122	1182	1679
Paranoid Reactions	60	46	36	84	84	56	144	130	92
Other, Ill-defined	50	47	36	52	32	24	102	79	60
Subtotal	1026	876	1207	1293	1497	1706	2319	2373	2913
Psychoneurotic Reactions	164	98	332	160	126	341	324	284	673
Retarded Mental Development	65	77	94	84	83	85	149	160	179
Personality, Other Disorders	624	715	974	317	274	365	941	989	1339
No Mental Disorder	69	76	8	31	56	36	100	132	44
Total	3461	3360	4181	2857	3326	3686	6318	6686	7867

<sup>1</sup>Excludes all transfers and discharge-commitments from DMH and other hospitals for mental illnesses in Massachusetts for 1955, and the majority of such movement for 1937 and 1945.



Table 16

DIAGNOSTIC GROUP AND SEX, PATIENTS ADMITTED FOR FIRST TIME<sup>1</sup>  
HOSPITALS FOR MENTAL ILLNESSES, MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937, 1945 AND 1955

Diagnostic Group	Males			Females			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Brain Syndromes Associated With:									
Syphilis	143	87	-	36	27	8	179	114	8
Cerebral Arteriosclerosis, Senility	545	655	739	594	844	750	1139	1499	1489
Alcohol Intoxication	379	273	296	65	47	53	444	320	349
Other Conditions	182	167	247	156	151	195	338	318	442
Subtotal	1249	1182	1282	851	1069	1006	2100	2251	2288
Psychotic Disorders:									
Involutional Reaction	36	43	73	102	158	199	138	201	272
Affective Reactions	172	73	93	244	218	150	416	291	243
Schizophrenic Reactions	342	252	373	370	374	458	712	626	831
Paranoid Reactions	47	29	24	56	55	36	103	84	60
Other, Ill-defined	45	36	24	46	23	12	91	59	36
Subtotal	642	433	567	818	828	855	1460	1261	1442
Psychoneurotic Reactions	118	81	239	128	134	219	246	215	458
Retarded Mental Development	43	55	49	54	48	61	97	103	110
Personality, Other Disorders	469	559	629	234	176	211	703	735	840
No Mental Disorder	57	59	8	25	37	20	82	96	28
Total	2578	2369	2794	2110	2292	2372	4688	4661	5166

<sup>1</sup>Without history of past care in any mental hospital.

Table 17

DIAGNOSTIC GROUP AND SEX, READMISSIONS<sup>1</sup>  
HOSPITALS FOR MENTAL ILLNESSES, MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937, 1945 AND 1955

Diagnostic Group	Males			Females			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Brain Syndromes Associated with:									
Syphilis	33	79	-	11	16	-	44	95	-
Cerebral Arteriosclerosis, Senility	50	63	69	61	78	49	111	146	118
Alcohol Intoxication	130	130	158	17	22	53	147	152	211
Other Conditions	51	59	57	32	45	45	83	104	102
Subtotal	264	336	284	121	161	147	385	497	431
Psychotic Disorders:									
Involutional Reaction	5	13	32	21	59	105	26	72	137
Affective Reactions	138	147	150	233	271	280	371	418	430
Schizophrenic Reactions	223	255	414	187	301	434	410	556	848
Paranoid Reactions	13	17	12	28	29	20	41	46	32
Other, Ill-defined	5	11	12	6	9	12	11	20	24
Subtotal	384	443	620	475	669	851	859	1112	1471
Psychoneurotic Reactions	46	17	93	32	52	122	78	69	215
Retarded Mental Development	22	22	45	30	35	24	52	57	69
Personality, Other Disorders	155	156	345	83	98	154	238	254	499
No Mental Disorder	12	17	-	6	19	16	18	36	16
Total	883	991	1387	747	1034	1314	1630	2025	2701

<sup>1</sup>Excludes all transfers and discharge-commitments from DMH and other hospitals for mental illnesses in Massachusetts for 1955, and the majority of such movement for 1937 and 1945.



Table 18

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
CASE FATALITY RATES AND AGE  
HOSPITALS FOR MENTAL ILLNESSES  
1937, 1945 AND 1955

Age in Years	Cases under Care			Died			Rate, Per Cent		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Under 20	661	685	784	3	3	2	0.4	0.4	0.3
20-29	2834	2685	2734	47	36	7	1.6	1.3	0.3
30-39	4605	4787	4488	67	85	40	1.4	1.8	0.9
40-49	5844	5465	5645	145	121	90	2.5	2.2	1.6
50-59	6098	6162	5666	266	246	156	4.4	4.0	2.8
60-69	4774	5636	5990	443	491	428	9.4	8.7	7.1
70-79	2753	3729	5441	579	727	805	21.0	19.5	14.8
80 or over	838	1533	2962	295	554	834	35.2	36.1	28.2
Total	28407	30682	33710	1845	2263	2362	6.5	7.4	7.0

Table 19

CASE FATALITY RATES  
 PATIENTS WITHOUT PAST EPISODE OF CARE IN MENTAL HOSPITAL  
 BY AGE AND SEX  
 HOSPITALS FOR MENTAL ILLNESSES  
 MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
 1937, 1945 AND 1955

Age in Years	Deaths during Original Episode per 100 under Care								
	Males			Females			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Under 20	1.1	0.3	0.8	-	0.5	-	0.6	0.4	0.5
20-29	2.2	2.0	0.5	1.3	0.9	0.4	1.8	1.4	0.4
30-39	2.4	2.4	1.3	1.4	1.6	1.8	2.0	2.0	1.6
40-49	2.9	3.1	2.8	3.2	1.9	1.4	3.1	2.5	2.0
50-59	5.8	5.4	4.0	5.2	3.6	3.3	5.5	4.4	3.6
60-69	12.8	11.6	9.3	10.0	9.8	6.0	11.3	10.7	7.7
70-79	28.9	25.8	22.0	20.8	21.0	13.2	24.4	23.0	16.9
80 or more	39.6	43.0	33.2	38.8	38.4	31.1	39.1	39.8	31.8
Total	8.7	10.0	10.3	8.2	9.4	8.8	8.4	9.7	9.4



Table 20

CASE FATALITY RATES  
READMISSIONS, BY AGE AND SEX  
HOSPITALS FOR MENTAL ILLNESSES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937, 1945 AND 1955

Age in Years	Deaths of Readmissions per 100 under Care								
	Male			Female			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Under 20	-	1.0	-	-	-	-	-	0.7	-
20-29	1.9	1.4	-	1.9	1.0	-	1.4	1.2	-
30-39	0.7	2.1	0.5	0.7	0.9	-	0.7	1.5	0.3
40-49	1.7	2.1	1.6	1.7	1.7	1.1	1.6	1.9	1.3
50-59	2.7	4.5	2.8	2.7	2.8	1.0	2.6	3.5	1.7
60-69	4.8	6.8	6.2	4.8	4.7	6.1	5.7	5.6	6.2
70-79	10.8	12.0	14.0	10.8	9.7	5.9	11.8	10.6	8.4
80 or more	15.2	29.9	15.6	15.2	12.5	14.3	19.0	18.2	14.8
Total	3.2	4.5	3.8	3.2	3.4	2.9	3.3	3.9	3.3

Table 21

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
DISCHARGE<sup>1</sup> RATES AND AGE  
HOSPITALS FOR MENTAL ILLNESSES  
1937, 1945 AND 1955

Age in Years	Cases under Care			Discharged			Rate, Percent		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Under 20	661	685	784	331	377	526	50.1	55.0	67.1
20-29	2834	2685	2734	799	708	1035	28.2	26.4	37.8
30-39	4605	4787	4488	909	895	1373	19.7	18.7	30.6
40-49	5844	5465	5645	837	804	1224	14.3	14.7	21.7
50-59	6098	6162	5666	571	551	743	9.4	8.9	13.1
60-69	4774	5636	5990	334	306	538	7.0	5.4	9.0
70-79	2753	3729	5441	147	171	177	5.3	4.6	3.2
80 or over	838	1533	2962	38	52	103	4.5	3.4	3.5
Total	28407	30682	33710	3966	3864	5719	14.0	12.6	17.0

<sup>1</sup>Excludes all transfers and discharge-commitments to DMH and other hospitals for mental illnesses in Massachusetts for 1955, and the majority of such movement for 1937 and 1945.



Table 22

DISCHARGE<sup>1</sup> RATES  
PATIENTS WITHOUT PAST EPISODE OF CARE IN MENTAL HOSPITALS  
BY AGE AND SEX

HOSPITALS FOR MENTAL ILLNESSES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937, 1945 AND 1955

Age in Years	Patients discharged during Original Episode per 100 under Care								
	Males			Females			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Under 20	57.0	64.2	72.8	52.9	45.7	79.4	55.7	57.8	75.3
20-29	35.3	32.1	47.7	28.6	26.4	31.7	32.3	29.2	39.4
30-39	25.0	22.4	49.1	22.1	19.4	28.5	23.7	20.9	38.2
40-49	21.7	19.8	28.4	11.8	14.4	20.0	16.5	17.0	23.4
50-59	12.4	13.0	13.6	9.3	7.7	9.5	10.8	10.1	11.4
60-69	9.3	7.3	10.3	6.4	5.1	7.5	7.8	6.2	8.9
70-79	6.5	6.1	4.3	5.3	4.6	2.6	5.8	5.2	3.3
80 or more	4.7	4.2	2.8	4.8	3.5	5.5	4.7	3.8	4.5
Total	18.9	16.8	20.9	13.1	11.4	13.6	16.0	13.9	16.9

<sup>1</sup>Excludes all transfers and discharge-commitments to DMH and other hospitals for mental illnesses in Massachusetts for 1955, and the majority of such movement for 1937 and 1945.

Table 23  
DISCHARGE<sup>1</sup> RATES, READMISSIONS  
BY AGE AND SEX  
  
HOSPITALS FOR MENTAL ILLNESSES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1937, 1945 AND 1955

Age in Years	Readmissions Discharged per 100 under Care								
	Male			Female			Total		
	1937	1945	1955	1937	1945	1955	1937	1945	1955
Under 20	31.0	45.4	33.1	36.1	44.0	100.0	33.5	44.9	48.7
20-29	19.5	21.6	43.3	22.0	22.0	27.2	20.7	21.8	35.6
30-39	16.7	16.3	23.2	11.9	15.9	25.0	14.4	16.1	24.0
40-49	14.7	12.1	25.7	8.3	12.4	16.8	11.2	12.3	20.1
50-59	7.9	8.2	22.4	6.6	6.9	11.4	7.2	7.5	15.1
60-69	4.7	6.5	9.1	6.1	2.7	9.3	5.6	4.3	9.2
70-79	5.0	4.9	4.3	3.2	1.6	3.0	4.0	2.9	3.4
80 or more	7.8	1.1	0.3	1.0	1.7	1.2	3.7	1.5	0.8
Total	12.2	11.9	20.6	9.1	9.5	14.4	10.6	10.6	17.1

<sup>1</sup>Excludes all transfers and discharge-commitments to DMH and other hospitals for mental illnesses in Massachusetts for 1955, and the majority of such movement for 1937 and 1945.



Table 24

IN-PATIENTS AT END OF YEAR, BY SEX  
HOSPITALS FOR MENTAL ILLNESSES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1934-1955

Year	In-Patients at End of Year		
	Males	Females	Total
1934	8729	9909	18638
1935	9000	10111	19111
1936	9218	10455	19673
1937	9392	10631	20023
1938	9630	10876	20506
1939	9714	10909	20623
1940	9963	11175	21138
1941	9848	11223	21071
1942	9941	11416	21357
1943	9967	11478	21445
1944	9874	11701	21575
1945	9820	11962	21782
1946	9785	12016	21801
1947	9737	12197	21934
1948	10031	12442	22473
1949	9999	12467	22466
1950	9918	12458	22376
1951	9834	12440	22274
1952	10036	12521	22557
1953	10009	12789	22798
1954	9708	12772	22480
1955	9510	12692	22202

Table 25

IN-PATIENTS ON JUNE 30 IN EXCESS OF RATED SPACE CAPACITY, BY SEX  
HOSPITALS FOR MENTAL ILLNESSES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Patients in Excess of Space Capacity		
	Males	Females	Total
1935	945	1296	2241
1936	1051	1592	2643
1937	949	1453	2402
1938	1189	1765	2954
1939	1217	1778	2995
1940	1419	1570	2989
1941	1232	1603	2835
1942	1451	1814	3265
1943	1422	1925	3347
1944	1306	2165	3471
1945	1259	2498	3757
1946	1223	2496	3719
1947	1175	2677	3852
1948	1469	2922	4391
1949	1437	2947	4384
1950	1697	2608	4305
1951	1613	2590	4203
1952	1816	2668	4484
1953	1573	2720	4293
1954	1185	2612	3797
1955	1065	2483	3548



Table 26

RATIO OF PERSONNEL TO IN-PATIENTS AT END OF YEAR  
HOSPITALS FOR MENTAL ILLNESSES  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1945

Year	Employees per 1000 In-Patients at End of Year					Total
	Physicians	Graduate Nurses	Other Nurses, Nurse Attendants	Social Workers	All Other	
1935	6.2	17.8	128.8	1.8	100.2	254.8
1936	5.8	20.6	127.5	2.0	100.6	256.5
1937	6.1	21.6	129.9	1.7	100.6	259.9
1938	6.1	21.3	129.3	1.8	100.4	258.9
1939	6.4	22.6	129.1	1.9	98.6	258.6
1940	6.1	26.2	120.7	1.8	95.7	250.5
1941	6.1	21.9	104.2	1.9	94.5	228.6
1942	4.1	17.3	74.7	1.9	82.3	180.3
1943	4.4	14.5	64.3	1.8	80.3	165.3
1944	4.3	11.9	55.5	1.7	77.2	150.6
1945	4.1	11.7	52.5	1.5	72.9	142.7
1946	5.0	12.6	57.4	1.4	78.9	155.3
1947	5.6	12.2	83.9	1.7	85.8	189.2
1948	5.4	13.4	90.4	1.9	86.4	197.5
1949	5.6	16.1	124.0	1.9	99.8	247.4
1950	6.1	18.2	128.9	2.1	114.6	269.9
1951	6.4	16.7	133.9	2.1	107.0	266.1
1952	6.0	16.1	138.7	2.5	112.1	275.4
1953	6.3	18.7	138.0	2.6	112.1	277.7
1954	7.0	18.8	144.3	2.8	118.0	290.9
1955	7.5	19.2	150.9	2.9	124.0	305.4

#### Section 4. Hospital for Convulsive Disorders

##### Tables 27-31

This section pertains only to Monson State Hospital.

Age and diagnostic distributions relating to 1955 are based on samples (see report by Division of Medical Statistics and Research).



Table 27

MONSON

ADMISSIONS<sup>1</sup> DURING YEAR, BY SEX  
HOSPITAL FOR CONVULSIVE DISORDERS  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Number of Cases Admitted		
	Male	Female	Total
1935	112	110	222
1936	105	82	187
1937	186	128	314
1938	135	113	248
1939	108	104	212
1940	140	79	219
1941	131	101	232
1942	166	102	268
1943 <sup>a</sup>	101	72	173
1944	164	92	256
1945	137	122	259
1946	66	28	94
1947	67	44	111
1948	51	49	100
1949	56	42	98
1950	57	44	101
1951	106	72	178
1952	75	45	120
1953	62	32	94
1954	65	39	104
1955	61	46	107

<sup>1</sup>Admissions from other mental hospitals excluded.

<sup>a</sup>Nine months; statistical year changed from October through September to July through June.

Table 28

Mon Son

DISCHARGES<sup>1</sup> AND DEATHS DURING YEAR, BY SEX  
 HOSPITAL FOR CONVULSIVE DISORDERS  
 MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
 1935-1955

Year	Discharged			Died			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1935	46	27	73	60	46	106	106	73	179
1936	50	39	89	39	36	75	89	75	164
1937	73	41	114	89	52	141	162	93	255
1938	79	40	119	50	32	82	129	72	201
1939	20	13	33	53	65	118	73	78	151
1940	50	41	91	59	34	93	109	75	184
1941	56	35	91	57	48	105	113	83	196
1942	64	30	94	61	39	100	125	69	194
1943 <sup>a</sup>	45	40	85	55	32	87	100	72	172
1944	85	41	126	86	51	137	171	92	263
1945	87	52	139	79	33	112	166	85	251
1946	43	25	68	55	34	89	98	59	157
1947	48	25	73	35	19	54	83	44	127
1948	29	16	45	37	23	60	66	39	105
1949	26	22	48	22	23	45	48	45	93
1950	23	10	33	24	23	47	47	33	80
1951	23	21	44	30	32	62	53	53	106
1952	32	23	55	38	25	63	70	48	118
1953	27	16	43	30	17	47	57	33	90
1954	34	16	50	34	22	56	68	38	106
1955	30	22	52	25	27	52	55	49	104

<sup>1</sup>Discharges to other mental hospitals excluded.

<sup>a</sup>Nine months; statistical year changed from October through September to July through June.



Table 29

IN-PATIENTS AT END OF YEAR, BY SEX  
HOSPITAL FOR CONVULSIVE DISORDERS  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1934-1955

Year	In-patients at End of Year		
	Males	Females	Total
1934	713	740	1453
1935	717	759	1476
1936	735	779	1514
1937	724	797	1521
1938	725	825	1550
1939	733	810	1543
1940	744	812	1556
1941	742	815	1557
1942	735	789	1524
1943	712	773	1485
1944	704	765	1469
1945	681	789	1470
1946	666	758	1424
1947	658	769	1427
1948	652	772	1424
1949	672	786	1458
1950	682	784	1466
1951	714	800	1514
1952	727	795	1522
1953	731	800	1531
1954	736	783	1519
1955	745	793	1538

Table 30

IN-PATIENTS ON JUNE 30 IN EXCESS OF RATED SPACE CAPACITY, BY SEX  
HOSPITAL FOR CONVULSIVE DISORDERS  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Patients in Excess of Space Capacity		
	Males	Females	Total
1935	181	214	395
1936	183	144	327
1937	166	159	325
1938	211	145	356
1939	214	147	361
1940	207	174	381
1941	192	165	357
1942	204	152	356
1943	176	144	320
1944	170	136	306
1945	147	160	307
1946	132	129	261
1947	124	140	264
1948	118	143	261
1949	138	157	295
1950	167	142	309
1951	199	158	357
1952	212	153	365
1953	216	158	374
1954	221	141	362
1955	230	151	381



Table 31

RATIO OF PERSONNEL TO IN-PATIENTS AT END OF YEAR  
HOSPITAL FOR CONVULSIVE DISORDERS  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Employees per 1000 In-Patients at End of Year					Total
	Physicians	Graduate Nurses	Other Nurses, Nurse Attendants	Social Workers	All Other	
1935	5.4	16.3	153.8	1.3	123.3	300.1
1936	5.3	18.5	144.0	1.3	94.5	263.6
1937	5.3	17.7	147.9	1.3	98.6	270.8
1938	4.5	17.4	145.2	1.3	97.4	265.8
1939	4.5	17.5	144.5	1.3	101.1	268.9
1940	5.1	16.1	143.3	1.3	95.7	261.5
1941	4.5	17.3	131.7	1.3	92.5	247.3
1942	4.6	16.4	90.5	.7	75.5	187.7
1943	4.7	10.8	81.5	.7	76.8	174.5
1944	4.8	14.3	77.6	.7	71.5	168.9
1945	4.8	12.2	72.1	-	66.7	155.8
1946	3.5	11.9	82.0	-	75.1	172.5
1947	3.5	10.5	110.0	-	89.0	213.0
1948	4.2	11.9	119.4	-	99.0	234.5
1949	4.1	14.4	142.0	.7	106.3	267.5
1950	4.1	18.4	180.1	-	129.6	332.2
1951	4.0	19.8	168.4	1.3	118.9	312.4
1952	4.6	19.7	174.1	1.3	120.2	319.9
1953	5.9	18.3	164.7	.6	119.6	309.1
1954	6.6	17.8	188.9	.7	131.7	345.7
1955	5.9	18.9	185.9	1.3	132.0	344.0

## Section 5. Hospital-Schools for Retarded Mental Development

Tables 32-41

Figures 8-12

The hospital-schools for which combined data are presented are Belchertown, Myles Standish, Walter E. Fernald and Wrentham State Schools.

Age and diagnostic distributions for 1955 are based on samples (see report by Division of Medical Statistics and Research).



Table 32

ADMISSIONS<sup>1</sup> DURING YEAR, BY SEX  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

<u>Year</u>	<u>Number of Cases Admitted</u>		
	<u>Male</u>	<u>Female</u>	<u>Total</u>
1935	203	189	392
1936	233	222	455
1937	293	194	487
1938	134	146	280
1939	141	155	296
1940	158	138	296
1941	172	129	301
1942	144	115	259
1943 <sup>a</sup>	64	82	146
1944	146	120	266
1945	161	150	311
1946	180	144	324
1947	274	265	539
1948	259	220	479
1949	291	209	500
1950	293	223	516
1951	166	159	325
1952	230	207	437
1953	396	276	672
1954	533	421	954
1955	396	306	702

<sup>1</sup>Admissions from other mental hospitals excluded.

<sup>a</sup>Nine months; statistical year changed from October through September to July through June.

Figure 8

MASSACHUSETTS LIVE BIRTHS, 1904-1954  
AND  
ADMISSIONS TO HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1904-1955

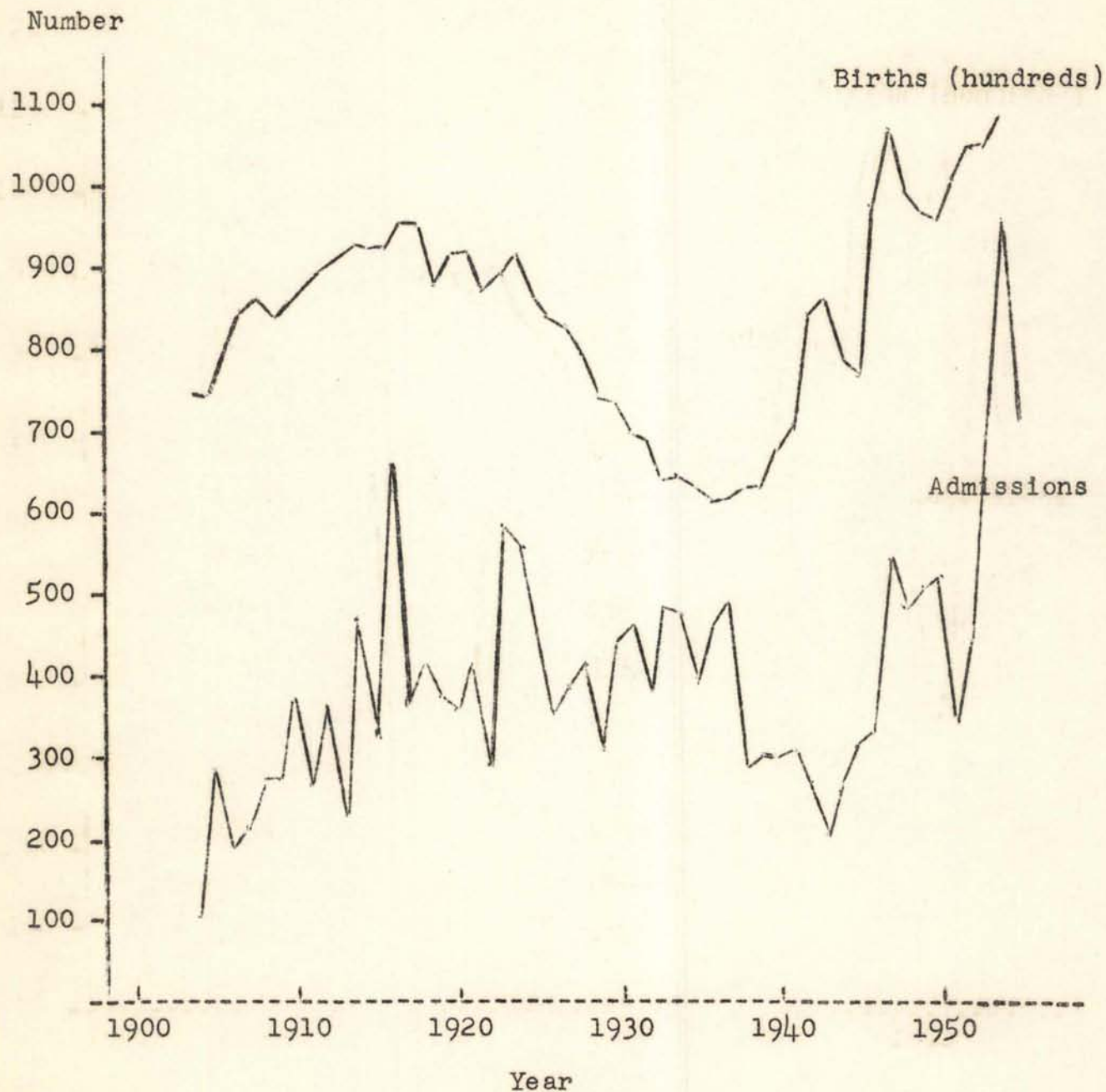




Table 33

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
APPLICATIONS FOR ADMISSION REMAINING AT END OF YEAR  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
1937-1955

<u>Year</u>	<u>Applications Remaining</u>	<u>Individuals Represented</u>
1937	3109	not available
1938	2743	•
1939	2867	•
1940	2135	•
1941	2252	•
1942	2229	•
1943	2356	•
1944	2427	•
1945	1935	•
1946	1606	•
1947	1581	•
1948	1689	•
1949	1737	•
1950	1849	•
1951	2188	•
1952	2308	•
1953	1710	•
1954	1439	1239
1955	1206	1072

Figure 9

ADMISSIONS DURING YEAR  
AND  
IN-PATIENT CENSUS AT END OF YEAR  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH

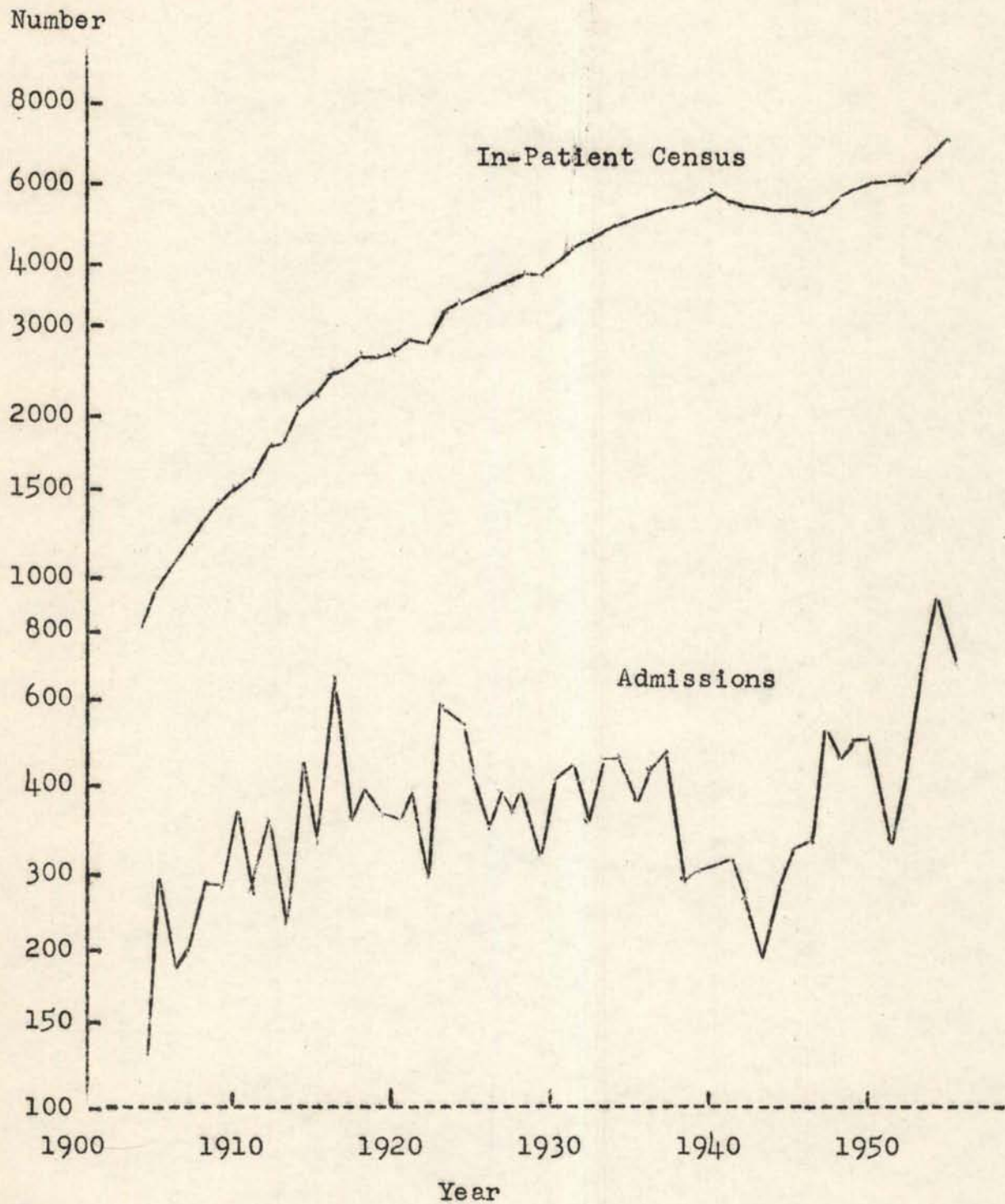




Table 34

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
 ADMISSION RATES AND AGE  
 HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
 1935, 1945 AND 1955

Age in Years	Massachusetts Population (Thousands)			Admissions			Rate per 100,000		
	1935	1945	1955	1935	1945	1955	1935	1945	1955
Under 5	316	366	492	51	28	216	16.1	7.6	43.9
5-14	717	649	800	201	173	297	28.0	26.6	37.1
15-24	733	707	659	102	86	108	13.9	12.2	16.4
25-34	657	700	695	20	17	55	3.0	2.4	7.9
35-44	623	647	685	6	5	13	1.0	0.8	1.9
45-54	533	582	605	2	1	13	0.4	0.2	2.1
55-64	379	342	510	-	1	-	-	0.3	-
65 or over	322	418	568	-	-	-	-	-	-
Total	4280	4411	5014	382	311	702	8.9	7.0	14.0

Note: Massachusetts population estimated from Federal censuses.

Figure 10

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
AGE OF ADMISSIONS,  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
1935, 1945 AND 1955

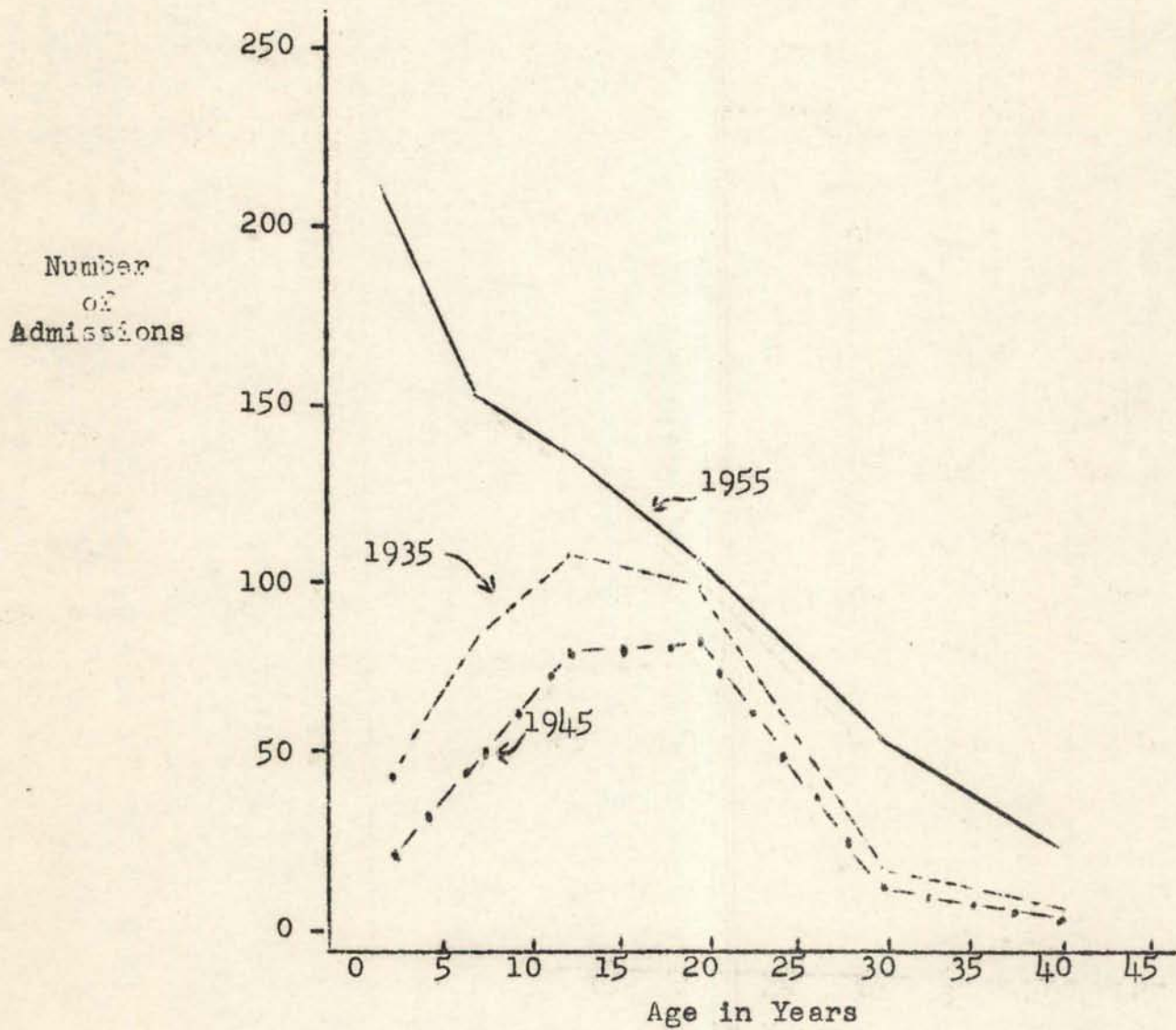




Figure 11

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
TYPE OF DISORDER, ADMISSIONS,  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
1935, 1945 AND 1955

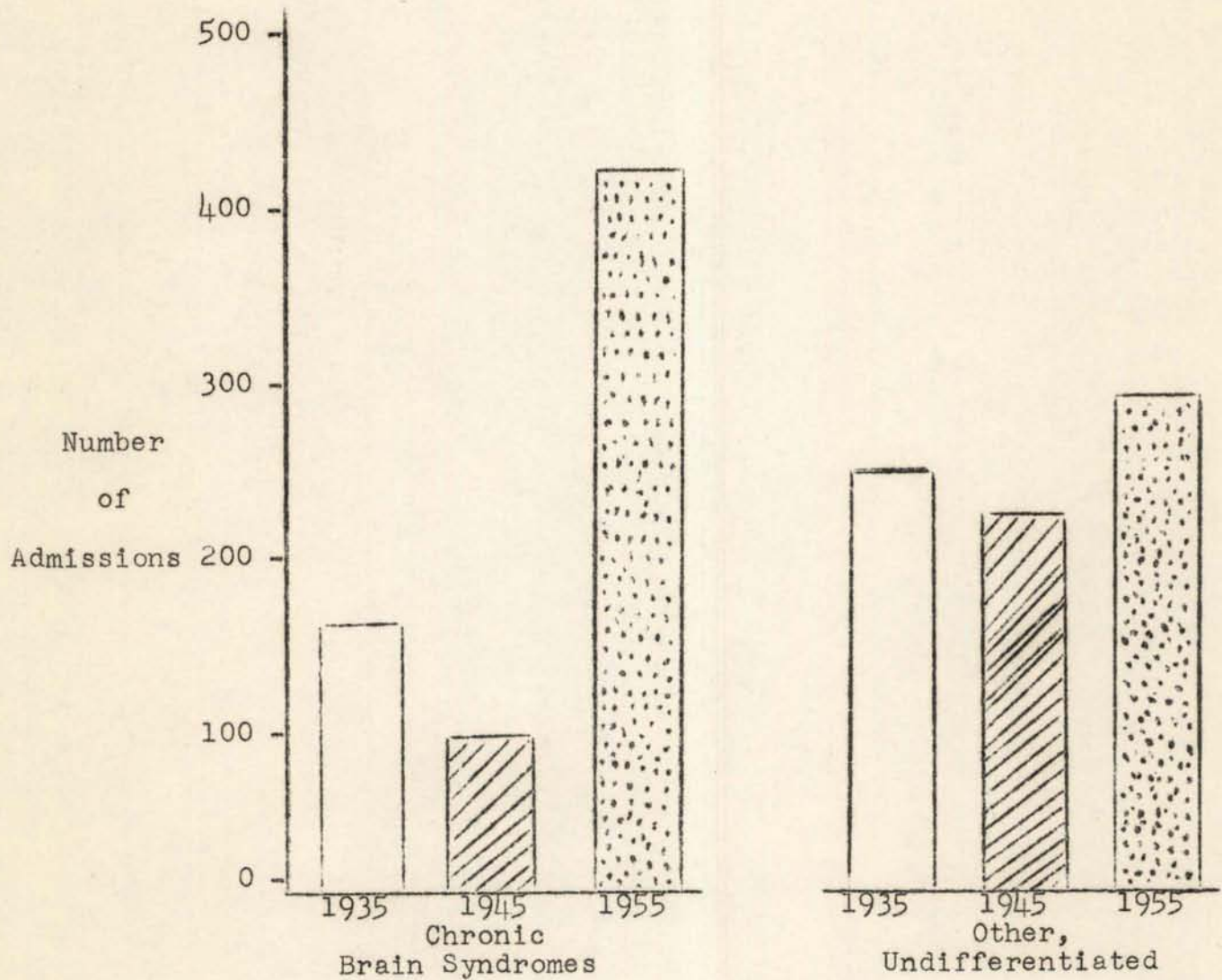


Figure 12

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
AGE OF ADMISSIONS AND TYPE OF DISORDER  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
1955

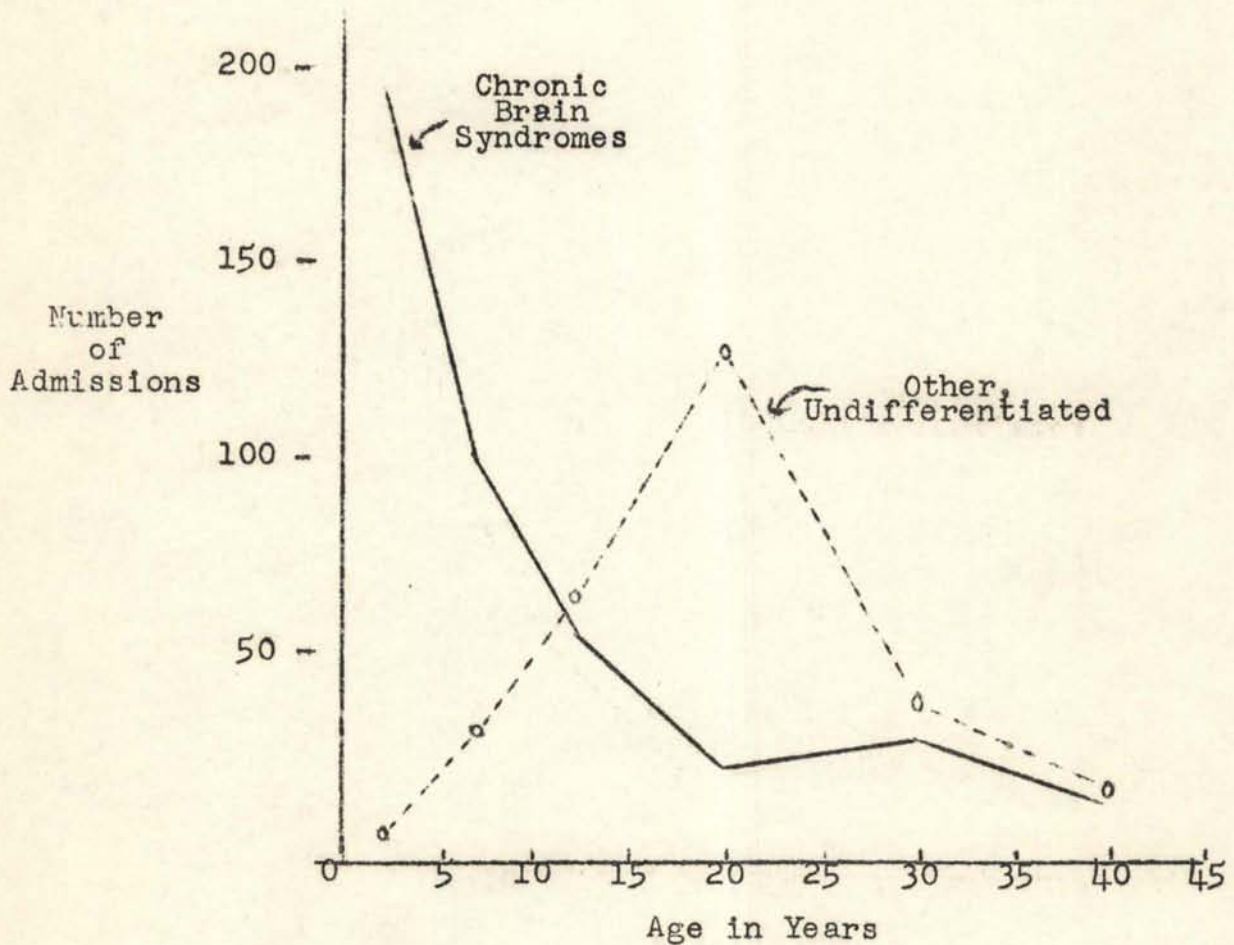




Table 35

DISCHARGES<sup>1</sup> AND DEATHS DURING YEAR, BY SEX  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Number of Cases								
	Discharged			Died			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1935	174	126	300	28	32	60	202	158	360
1936	140	97	237	39	26	65	179	123	302
1937	135	131	266	38	31	69	173	162	335
1938	136	127	263	38	26	64	174	153	327
1939	111	106	217	27	21	48	138	127	265
1940	92	83	175	26	29	55	118	112	230
1941	132	136	268	23	22	45	155	158	313
1942	117	109	226	25	30	55	142	139	281
1943 <sup>a</sup>	77	65	142	29	19	48	106	84	190
1944	159	126	285	43	27	70	202	153	355
1945	153	114	267	46	23	69	199	137	336
1946	108	144	252	45	30	75	153	174	327
1947	107	135	242	51	33	84	158	168	326
1948	122	148	270	45	22	67	167	170	337
1949	100	110	210	50	38	88	150	148	298
1950	100	136	236	44	35	79	144	171	315
1951	75	109	184	29	17	46	104	126	230
1952	112	151	263	46	34	80	158	185	343
1953	128	139	267	58	29	87	186	168	354
1954	136	172	308	72	58	130	208	230	438
1955	109	165	274	86	56	142	195	221	416

<sup>1</sup>Discharges to other mental hospitals excluded.

<sup>a</sup>Nine months; statistical year changed from October through September to July through June.

Table 36

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
CASE FATALITY RATE AND TYPE OF DISORDER,  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
1935, 1945 AND 1955

	<u>Chronic Brain Syndromes</u>		
	<u>1935</u>	<u>1945</u>	<u>1955</u>
Cases under Care	1285	1546	2817
Died	35	50	124
Rate, Per Cent	2.7	3.2	4.4

	<u>Other, Undifferentiated</u>		
	<u>1935</u>	<u>1945</u>	<u>1955</u>
Cases under Care	4519	4402	5318
Died	25	19	18
Rate, Per Cent	0.6	0.4	0.3

	<u>Total Cases</u>		
	<u>1935</u>	<u>1945</u>	<u>1955</u>
Cases under Care	5804	5948	8135
Died	60	69	142
Rate, Per Cent	1.0	1.2	1.7



Table 37

MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
DISCHARGE RATE AND TYPE OF DISORDER,  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
1935, 1945 AND 1955

	Chronic Brain Syndromes		
	<u>1935</u>	<u>1945</u>	<u>1955</u>
Cases under Care	1285	1546	2817
Discharged	38	38	68
Rate, Per Cent	3.0	2.4	2.4

	Other, Undifferentiated		
	<u>1935</u>	<u>1945</u>	<u>1955</u>
Cases under Care	4519	4402	5318
Discharged	262	229	206
Rate, Per Cent	5.8	5.2	3.9

	Total Cases		
	<u>1935</u>	<u>1945</u>	<u>1955</u>
Cases under Care	5804	5948	8135
Discharged	300	267	274
Rate, Per Cent	5.2	4.5	3.4

Table 38

IMPAIRMENT OF FUNCTION IN INTELLIGENCE TEST  
 PATIENTS IN AT END OF YEAR  
 HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
 MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
 1935, 1945 AND 1955

Impairment of Function	IQ Range	Patients in Hospital-Schools at End of Year		
		1935	1945	1955
Extreme	Under .20	13.9%	17.9%	19.7%
Severe	.20-.49	43.3	48.0	51.2
Moderate	.50-.69	35.4	29.2	24.4
None or Mild	.70 or More	7.4	4.9	4.7
Total Per Cent		100.0%	100.0%	100.0%
Number		5009	5031	7000



Table 39

IN-PATIENTS ON JUNE 30 IN EXCESS OF RATED SPACE CAPACITY, BY SEX  
 HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
 MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
 1935-1955

Year	Patients in Excess of Space Capacity		
	Males	Females	Total
1935	485	588	1073
1936	428	661	1089
1937	537	642	1179
1938	572	676	1248
1939	571	688	1259
1940	603	658	1261
1941	588	657	1245
1942	592	650	1242
1943	530	654	1184
1944	459	602	1061
1945	450	569	1019
1946	486	528	1014
1947	289	314	603
1948	443	408	851
1949	580	417	997
1950	724	615	1339
1951	729	603	1332
1952	751	603	1354
1953	271	1	272
1954	470	71	541
1955	223	175 <sup>a</sup>	48

<sup>a</sup>Less than capacity.

Table 40

IN-PATIENTS AT END OF YEAR, BY SEX  
 HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
 MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
 1934-1955

<u>Year</u>	<u>In-Patients at End of Year</u>		
	<u>Males</u>	<u>Females</u>	<u>Total</u>
1934	2374	2557	4931
1935	2399	2610	5009
1936	2461	2672	5133
1937	2570	2674	5244
1938	2546	2677	5223
1939	2541	2697	5238
1940	2553	2693	5246
1941	2566	2692	5258
1942	2556	2691	5247
1943	2498	2698	5196
1944	2427	2646	5073
1945	2418	2613	5031
1946	2454	2572	5026
1947	2542	2643	5185
1948	2696	2737	5433
1949	2833	2746	5579
1950	3002	2807	5809
1951	3007	2795	5802
1952	3029	2795	5824
1953	3249	2894	6143
1954	3598	3114	6712
1955	3792	3207	6999



Table 41

RATIO OF PERSONNEL TO IN-PATIENTS AT END OF YEAR  
HOSPITAL-SCHOOLS FOR RETARDED MENTAL DEVELOPMENT  
MASSACHUSETTS DEPARTMENT OF MENTAL HEALTH  
1935-1955

Year	Employees per 1000 In-Patients at End of Year					Total
	Physicians	Graduate Nurses	Other Nurses, Nurse Attendants	Social Workers	All Other	
1935	4.2	1.0	133.0	1.6	78.5	218.3
1936	4.5	1.7	136.4	1.5	79.1	223.2
1937	4.4	1.0	134.2	1.5	77.8	218.9
1938	4.6	1.0	135.7	1.5	78.1	220.9
1939	4.8	1.5	133.4	1.5	78.3	219.5
1940	4.6	1.5	134.2	1.5	78.2	220.0
1941	4.8	1.3	119.0	1.5	77.5	204.1
1942	4.6	1.5	91.3	1.3	70.9	169.6
1943	3.6	1.5	82.4	1.1	65.6	154.2
1944	4.1	2.0	80.0	1.2	68.6	155.9
1945	4.2	1.4	82.7	1.4	64.5	154.2
1946	4.2	1.6	85.4	1.2	69.6	162.0
1947	4.4	2.7	116.9	1.7	93.5	219.2
1948	4.6	3.7	124.6	1.7	92.0	226.6
1949	4.8	4.3	148.4	1.6	95.4	254.5
1950	4.8	6.2	148.4	1.5	103.6	264.5
1951	5.0	5.9	152.4	1.5	102.2	267.0
1952	5.2	7.2	167.8	1.5	109.0	290.7
1953	5.4	8.8	175.9	1.6	105.4	297.1
1954	5.2	9.2	188.2	1.6	109.9	314.1
1955	5.0	10.8	190.3	1.4	111.6	319.1

## Appendix. Hospitals for Mental Illnesses

### Table A

#### Figures A and B

Here data for patients of this Department's hospitals for mental illnesses are combined with data for Bridgewater State Hospital (Department of Correction), Tewksbury State Hospital (Department of Public Welfare), Veterans Administration hospitals in Massachusetts (Bedford, Boston, Brockton and Northampton VAH), and McLean Hospital (private). Patients of Veterans Administration hospitals non-residents of Massachusetts are excluded.

Age and diagnostic distributions for 1955 are based on samples (see report by Division of Medical Statistics and Research).



Appendix: Table A  
 MALE AND FEMALE PATIENTS ADMITTED FOR FIRST TIME<sup>1</sup>,  
 RATES PER 100,000 GENERAL POPULATION OF SAME AGE GROUP AND SEX  
 FEDERAL, STATE AND McLEAN HOSPITALS FOR MENTAL ILLNESSES, MASSACHUSETTS  
 1937 and 1955

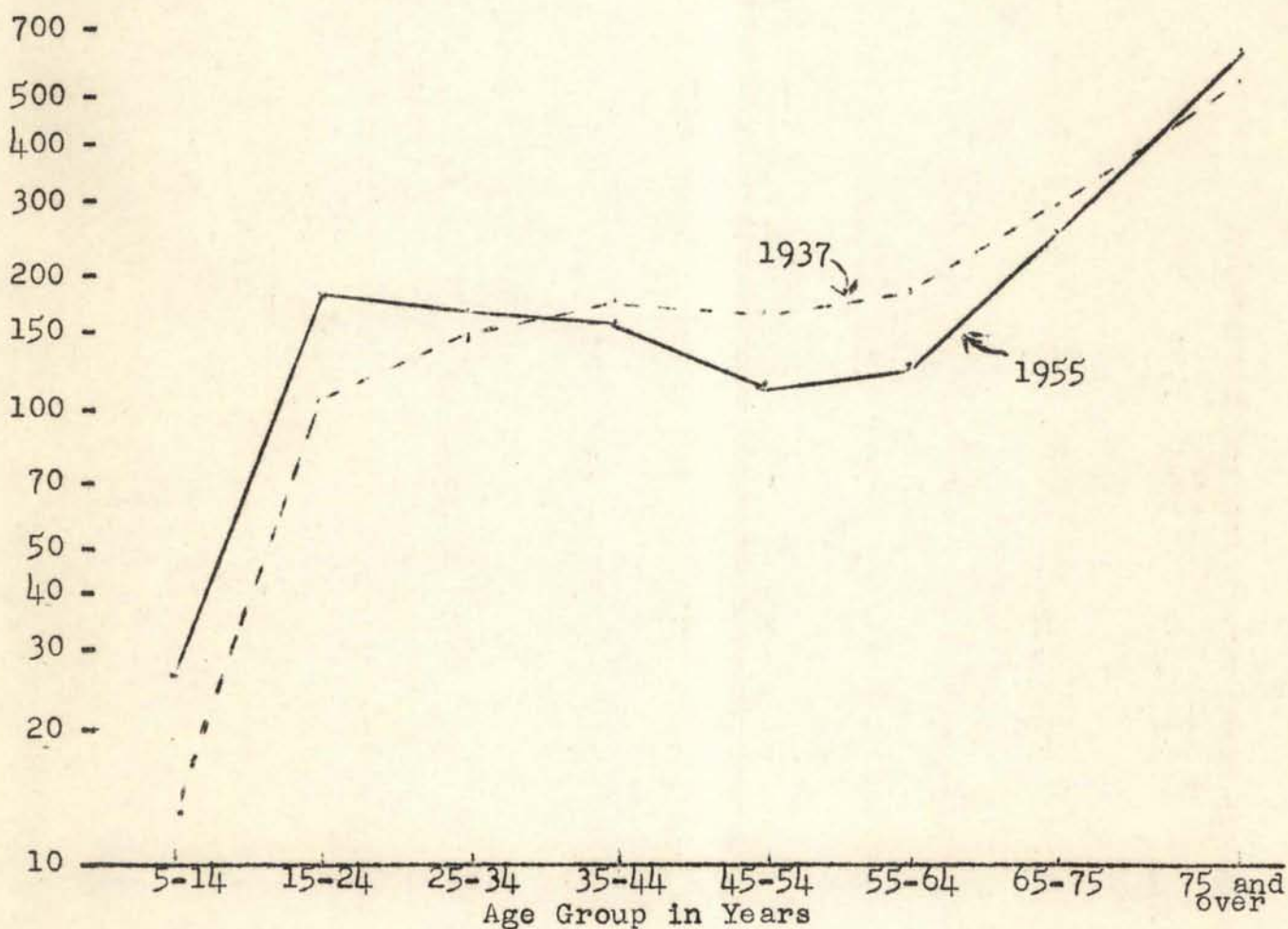
Age in Years	General Population in Thousands				First Admissions				Patients Admitted per 100,000 Population			
	Males		Females		Males		Females		Males		Females	
	1937	1955	1937	1955	1937	1955	1937	1955	1937	1955	1937	1955
5-14	352	409	341	391	48	109	34	40	13.6	26.6	10.0	10.2
15-24	364	323	378	336	386	588	268	235	106.0	182.0	70.9	69.9
25-34	317	338	344	357	471	568	348	413	148.6	168.0	101.2	115.7
35-44	299	328	321	357	528	519	371	361	176.6	158.2	115.6	101.1
45-54	267	288	279	317	444	328	323	320	166.3	113.9	115.8	100.9
55-64	187	244	202	266	344	316	310	231	183.9	129.5	153.5	86.8
65-74	108	160	132	201	305	409	272	332	282.4	255.6	206.1	165.2
75 and over	41	83	60	124	216	514	263	560	526.8	619.3	438.3	451.6

Total  
 5 and over 1935 2173 2057 2349 2742 3351 2189 2492 141.7 154.2 106.4 106.1

<sup>1</sup> Without history of past care in any mental hospital. Excludes non-residents of Massachusetts admitted to Veterans Administration hospitals.

Appendix: Figure A  
 MALE PATIENTS ADMITTED FOR FIRST TIME<sup>1</sup>,  
 RATES PER 100,000 GENERAL POPULATION OF SAME AGE GROUP AND SEX,  
 FEDERAL, STATE AND McLEAN HOSPITALS FOR MENTAL ILLNESSES, MASSACHUSETTS,  
 1937 and 1955

Males  
 Admitted  
 per  
 100,000  
 Population

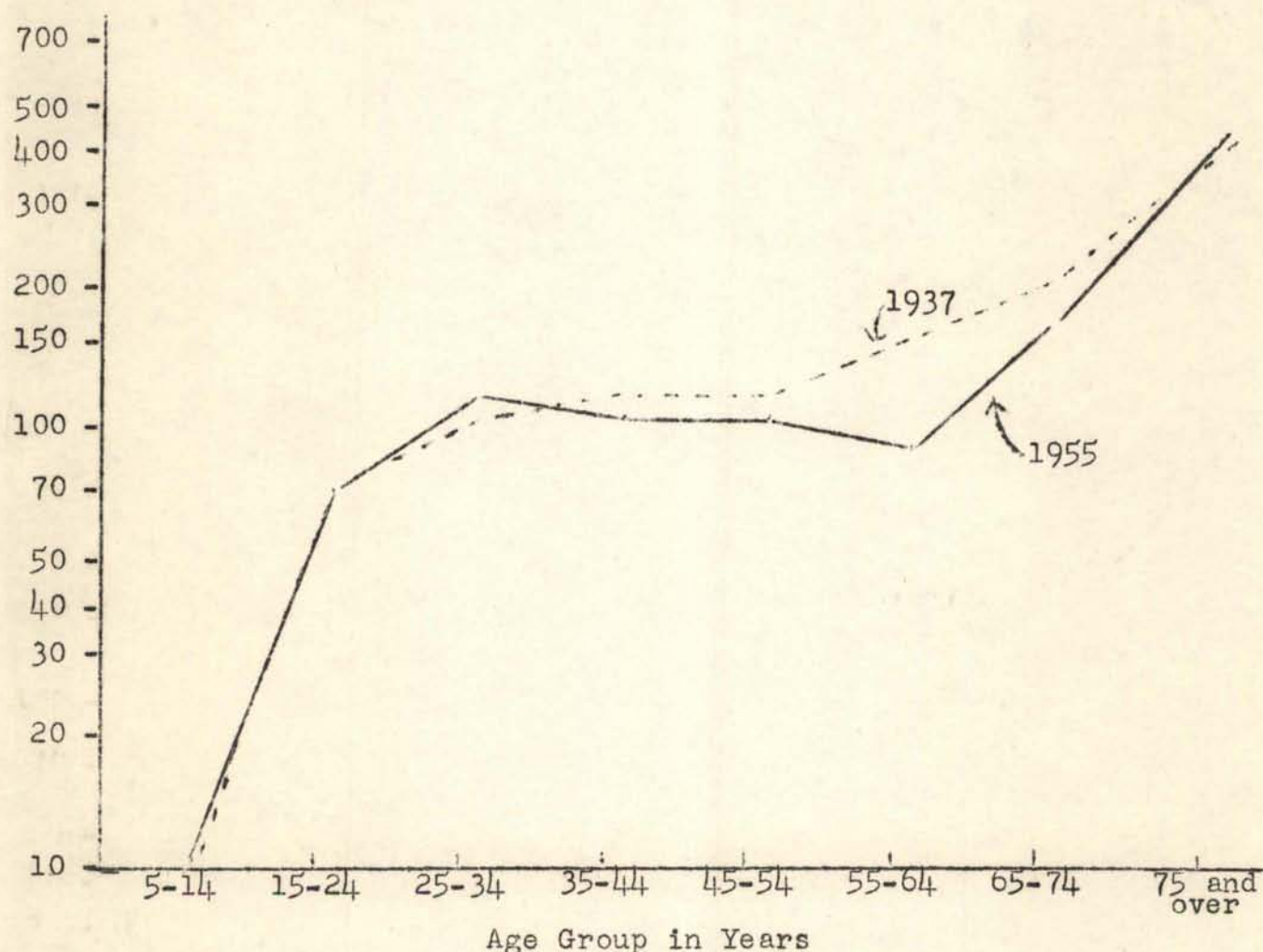


<sup>1</sup>Without history of past care in any mental hospital.



Appendix: Figure B  
 FEMALE PATIENTS ADMITTED FOR FIRST TIME<sup>1</sup>,  
 RATES PER 100,000 GENERAL POPULATION OF SAME AGE GROUP AND SEX,  
 FEDERAL, STATE AND McLEAN HOSPITALS FOR MENTAL ILLNESSES, MASSACHUSETTS,  
 1937 and 1955

Females  
 Admitted  
 per  
 100,000  
 Population



<sup>1</sup>Without history of past care in any mental hospital.